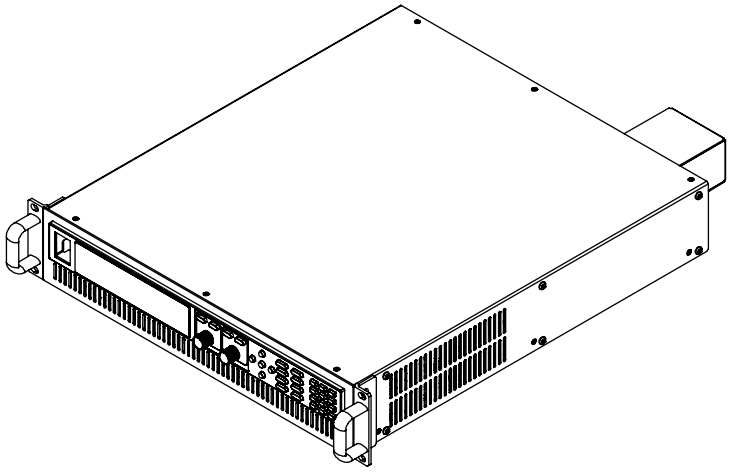
High power and Programmable Switching Power supply

IT6500D Series User Manual



Model: IT6512D/IT6513D/IT6514D/IT6515D/IT6516D/IT6517D/
IT6522D/IT6523D/IT6524D/IT6525D/IT6526D/IT6527D/
IT6532D/IT6533D/IT6534D/IT6535D/IT6536D/IT6537D
/IT6542D/IT6543D/IT6544D/IT6545D/IT6546D/IT6547D
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IT6592D/IT6593D/IT6594D/IT6595D/IT6596D/IT6597D

Version: 2.2

Notices

Manual Part Number

IT6500D-402248

Revision

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Safety Notices

CAUTION

A CAUTION sign denotes a hazard. It calls attention to an operating procedure or practice that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a CAUTION sign until the indicated conditions are fully understood and met.

WARNING

A WARNING sign denotes a hazard. It calls attention to an operating procedure or practice that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING sign until the indicated conditions are fully understood and met.

NOTE

A NOTE sign denotes important hint. It calls attention to tips or supplementary information that is essential for users to refer to.

Quality Certification and Assurance

We certify that IT6500D series power supply meets all the published specifications at time of shipment from the factory.

Warranty

ITECH warrants that the product will be free from defects in material and workmanship under normal use for a period of one (1) year from the date of delivery (except those described in the Limitation of Warranty below).

For warranty service or repair, the product must be returned to a service center designated by ITECH.

- The product returned to ITECH for warranty service must be shipped PREPAID. And ITECH will pay for return of the product to customer.
- If the product is returned to ITECH for warranty service from overseas, all the freights, duties and other taxes shall be on the account of customer.

Limitation of Warranty

This Warranty will be rendered invalid if the product is:

- Damaged resulting from customer-wired circuits or customer-supplied parts or accessories;
- Modified or repaired by customer without authorization;
- Damaged resulting from customer-wired circuits or use in an environment not designated by us;
- The product model or serial number is altered, deleted, removed or made illegible by customer;
- Damaged as a result of accidents, including but not limited to lightning, moisture, fire, improper use or negligence.

Safety Symbols

⎓	Direct current	|	ON (power)
~	Alternating current	○	OFF (power)
⎓ ~	Both direct and alternating current	⎍	Power-on state
⏚	Chassis (earth ground) symbol.	⎍	Power-off state
⏚	Earth (ground) terminal	⊣	Reference terminal
⚠	Caution	+	Positive terminal
⚠	Warning (refer to this manual for specific Warning or Caution information)	−	Negative terminal
⏚	A chassis terminal	-	-

Safety Precautions

The following safety precautions must be observed during all phases of operation of this instrument. Failure to comply with these precautions or specific warnings elsewhere in this manual will constitute a default under safety standards of design, manufacture and intended use of the instrument. ITECH assumes no liability for the customer's failure to comply with these precautions.

WARNING

- **Do not use the instrument if it is damaged. Before operation, check the casing to see whether it cracks. Do not operate the instrument in the presence of inflammable gasses, vapors or dusts.**
- **The power supply is provided with a power line during delivery and should be connected to junction box. Before operation, be sure that the power supply is well grounded. Make sure to use the power cord supplied by ITECH.**
- **Check all marks on the instrument before connecting the instrument to power supply.**
- **Use electric wires of appropriate load. All loading wires should be capable of bearing maximum short-circuit of electronic load without overheating. If there are multiple loads, each pair of the load power cord must be carry out the full rated short-circuit output current of the power securely.**
- **Make sure to follow the manual description for wiring.**
- **Ensure the voltage fluctuation of mains supply is less than 10% of the working voltage range in order to reduce risks of fire and electric shock.**
- **Do not install alternative parts on the instrument or perform any unauthorized modification.**
- **Do not use the instrument if the detachable cover is removed or loosen.**
- **To prevent the possibility of accidental injuries, be sure to use the power adapter supplied by the manufacturer only.**
- **Never use the instrument with a life-support system or any other equipment subject to safety requirements.**

CAUTION

- **Failure to use the instrument as directed by the manufacturer may render its protective features void.**
- **Always clean the casing with a dry cloth. Do not clean the internals.**
- **Make sure the vent hole is always unblocked.**

Environmental Conditions

The instrument is designed for indoor use and an area with low condensation. The table below shows the general environmental requirements for the instrument.

Environmental Conditions	Requirements
Operating temperature	0°C to 40°C
Operating humidity	20%-80% (non-condensation)
Storage temperature	-10°C to 70 °C
Altitude	Operating up to 2,000 meters
Installation category	II

Pollution degree	Pollution degree 2

Note

To make accurate measurements, allow the instrument to warm up for 30 min.

Regulatory Markings

CE	The CE mark indicates that the product complies with all the relevant European legal directives. The specific year (if any) affixed refers to the year when the design was approved.
	The instrument complies with the WEEE Directive (2002/96/EC) marking requirement. This affix product label indicates that you must not discard the electrical/electronic product in domestic household waste.
	This symbol indicates the time period during which no hazardous or toxic substances are expected to leak or deteriorate during normal use. The expected useful life of the product is 10 years. The product can be used safely during the 10-year Environment Friendly Use Period (EFUP). Upon expiration of the EFUP, the product must be immediately recycled.

Waste Electrical and Electronic Equiment (WEEE) Directive

2002/96/EC Waste Electrical and Electronic Equipment (WEEE) Directive

This product complies with the WEEE Directive (2002/96/EC) marking requirement. This affix product label indicates that you must not discard the electrical/electronic product in domestic household waste.

Product Category

With reference to the equipment classifications described in the Annex 1 of the WEEE Directive, this instrument is classified as a “ Monitoring and Control Instrument” .

To return this unwanted instrument, contact your nearest ITECH office.

Compliance Information

Complies with the essential requirements of the following applicable European Directives, and carries the CE marking accordingly:

- Electromagnetic Compatibility (EMC) Directive 2014/30/EU
- Low-Voltage Directive (Safety) 2014/35/EU

Conforms with the following product standards:

EMC Standard

IEC 61326-1:2012/ EN 61326-1:2013 [1][2][3]

Reference Standards

CISPR 11:2009+A1:2010/ EN 55011:2009+A1:2010 (Group 1, Class A)
IEC 61000-4-2:2008/ EN 61000-4-2:2009
IEC 61000-4-3:2006+A1:2007+A2:2010/ EN 61000-4-3:2006+A1:2008+A2:2010
IEC 61000-4-4:2004+A1:2010/ EN 61000-4-4:2004+A1:2010
IEC 61000-4-5:2005/ EN 61000-4-5:2006
IEC 61000-4-6:2008/ EN 61000-4-6:2009
IEC 61000-4-11:2004/ EN 61000-4-11:2004

1. The product is intended for use in non-residential/non-domestic environments. Use of the product in residential/domestic environments may cause electromagnetic interference.
2. Connection of the instrument to a test object may produce radiations beyond the specified limit.
3. Use high-performance shielded interface cable to ensure conformity with the EMC standards listed above.

Safety Standard

IEC 61010-1:2010/ EN 61010-1:2010

Content

Chapter1 Inspection and Installation

1.1 Verifying the Shipment

Unpack the box and check the contents before operating the instrument. If wrong items have been delivered, if items are missing, or if there is a defect with the appearance of the items, contact the dealer from which you purchased the instrument immediately. The package contents include:

Checklist of Package Contents

Item	Qty.	Model	Remarks
IT6500D power supply	x1	IT6500D series	IT6500D series include IT6512D/IT6513D/IT6514D/IT6515D/IT6516D/IT6517D/ IT6522D/IT6523D/IT6524D/IT6525D/IT6526D/IT6527D/ IT6532D/IT6533D/IT6534D/IT6535D/IT6536D/IT6537D /IT6542D/IT6543D/IT6544D/IT6545D/IT6546D/IT6547D /IT6552D/IT6553D/IT6554D/IT6555D/IT6556D/IT6557D /IT6562D/IT6563D/IT6564D/IT6565D/IT6566D/IT6567D /6572D/IT6573D/IT6574D/IT6575D/IT6576D/IT6577D /IT6582D/IT6583D/IT6584D/IT6585D/IT6586D/IT6587D/ IT6592D/IT6593D/IT6594D/IT6595D/IT6596D/IT6597D
Power cord	xN	-	Number of the power cords vary depending on the model, See the Section **Connecting the Power Cord** for power cord connection.
USB cable	x1	-	-
CD	x1	-	It contains power supply User's Manual, Programming Guide and other user documentations.
Ex-factory Test Report	x1	-	It is the test report of the instrument before delivery.

NOTE

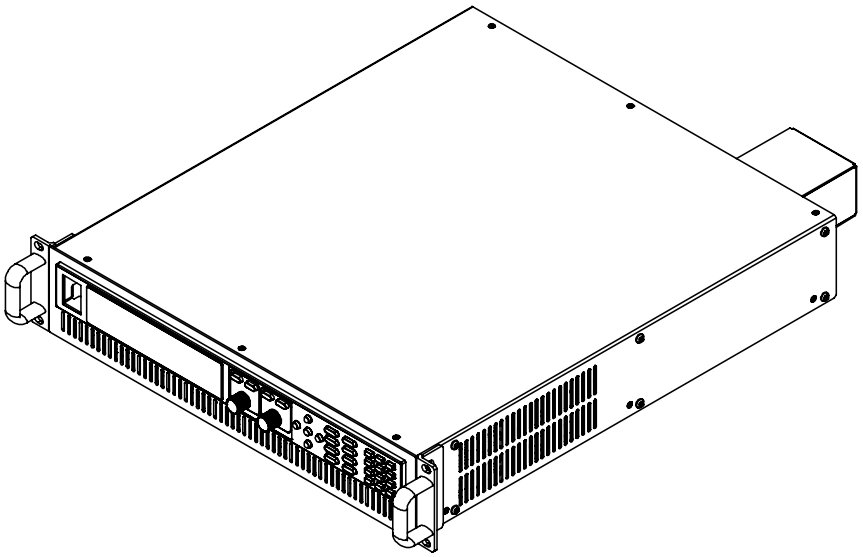
Upon verification of the shipment, keep the package and relevant contents thereof in a safe place. When returning the instrument for warranty service or repair, the specified packing requirements shall be met.

1.2 Instrument Size Introduction

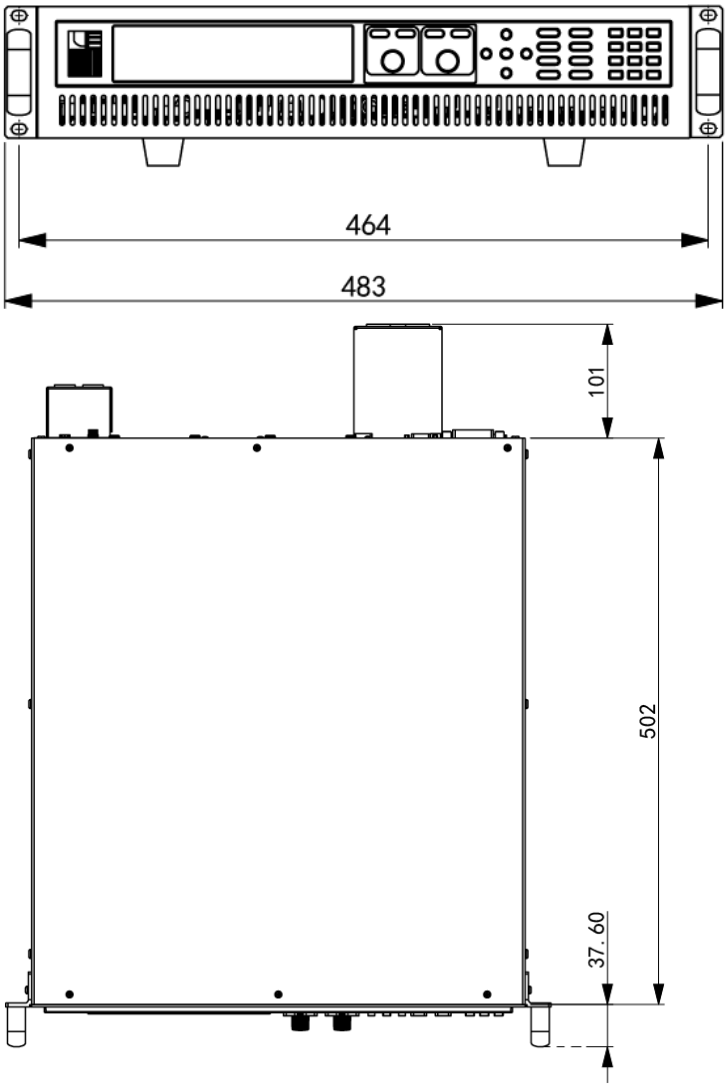
The instrument should be installed at well-ventilated and rational-sized space. Please select appropriate space for installation based on the power supply size.

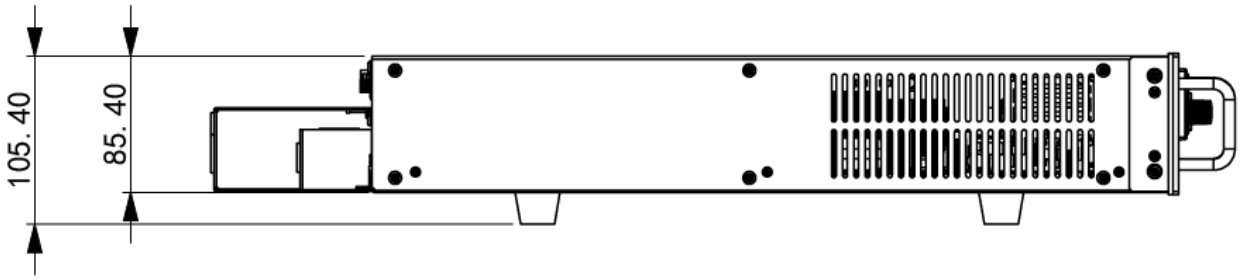
IT6500D series power supply different models are not the same size, the detail size of the power supply are shown as below.

2U

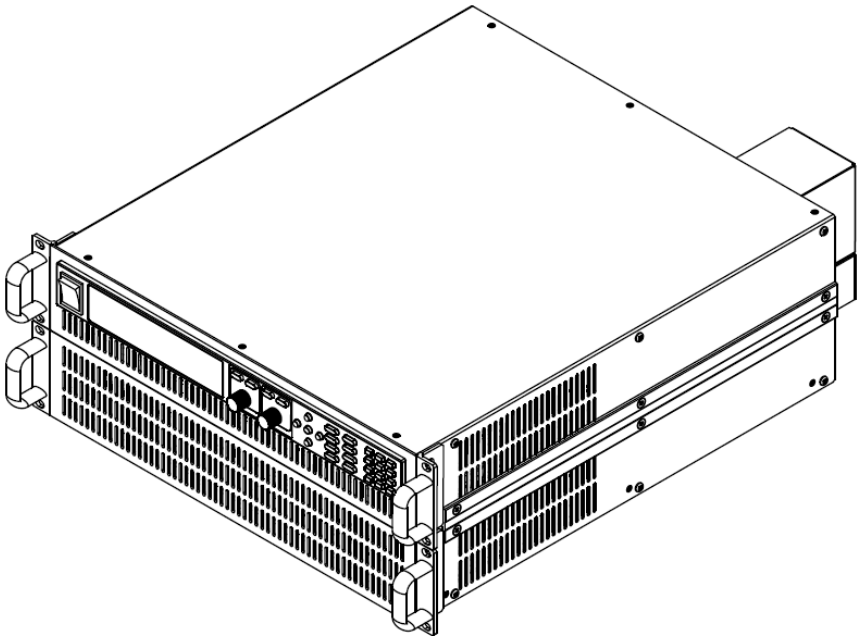


Detailed Dimension Drawing



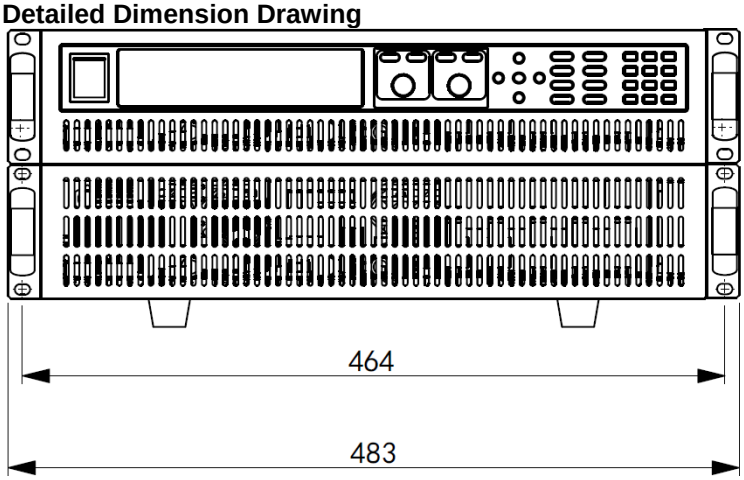


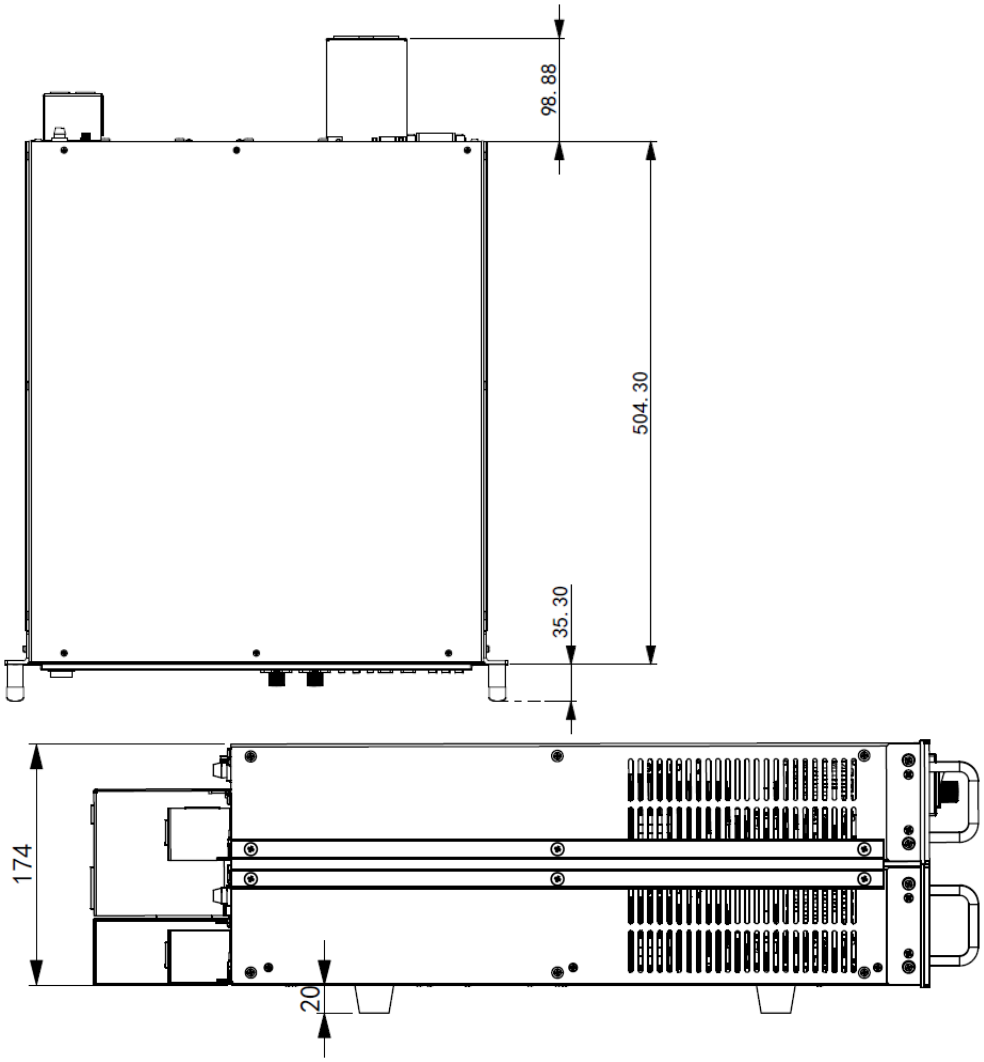
4U



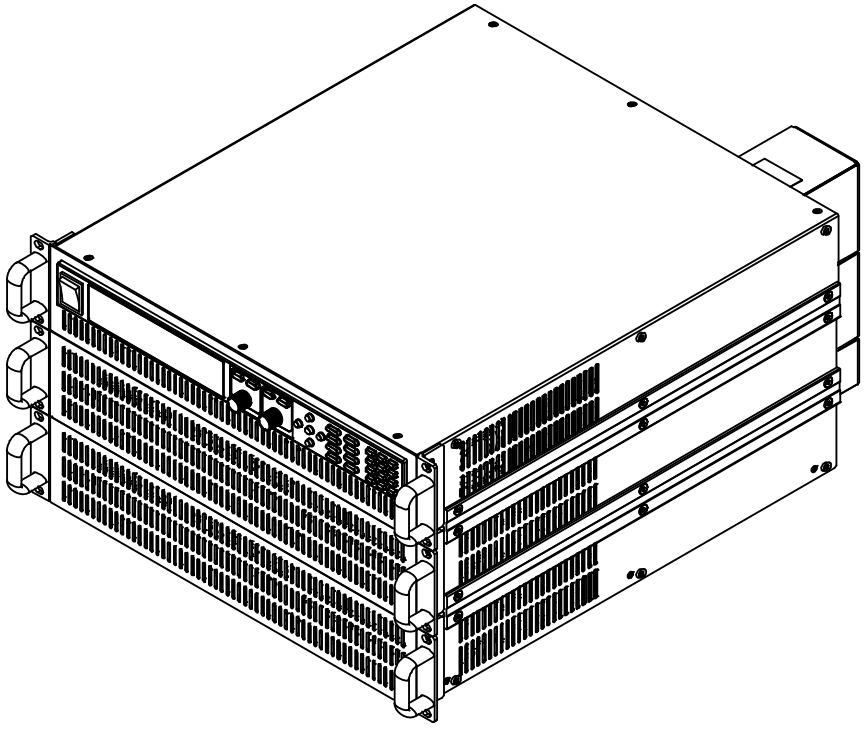
Dimension:
Width: 483mm
Height: 194mm
Depth: 640.8mm

Detailed Dimension Drawing

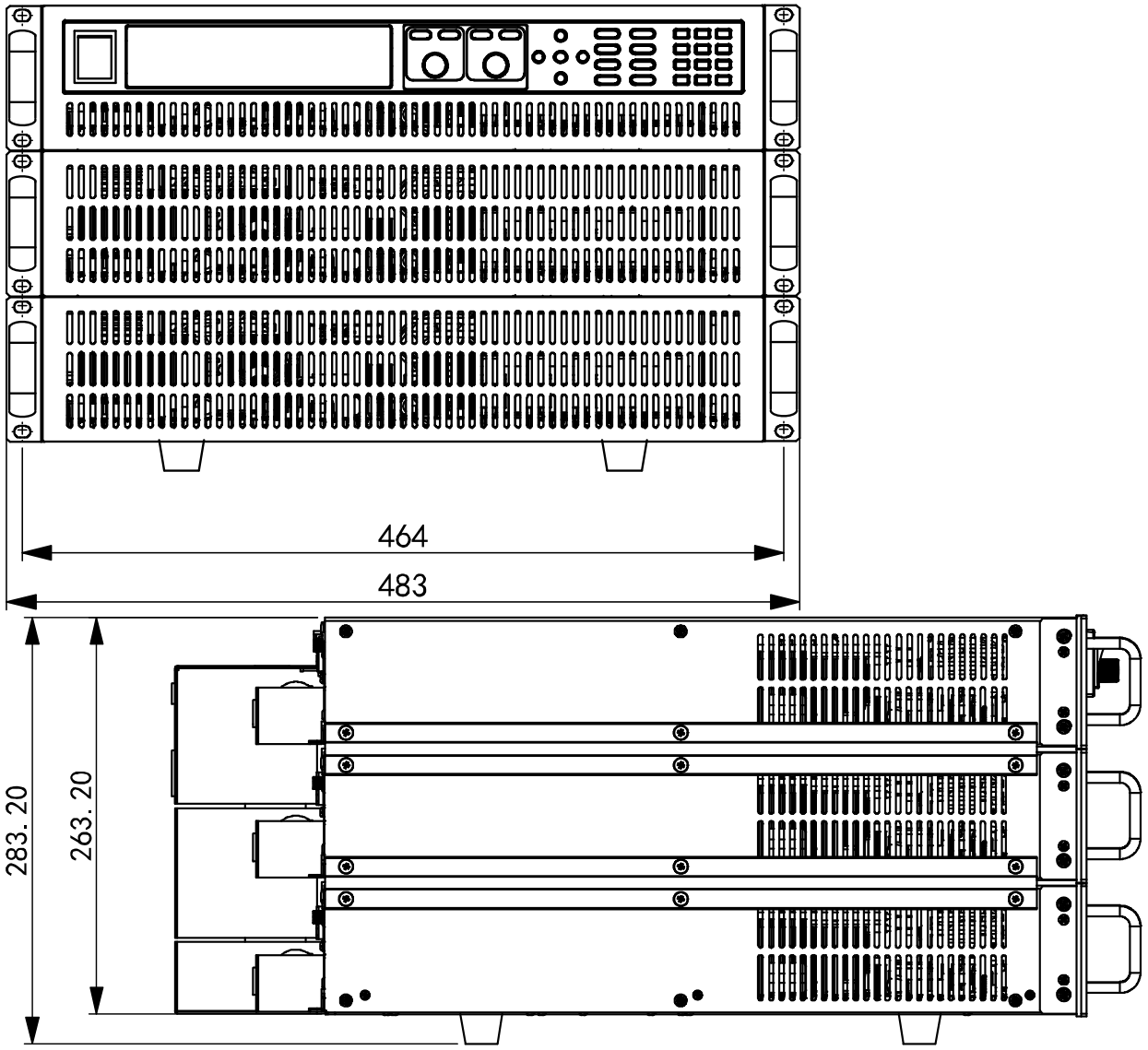


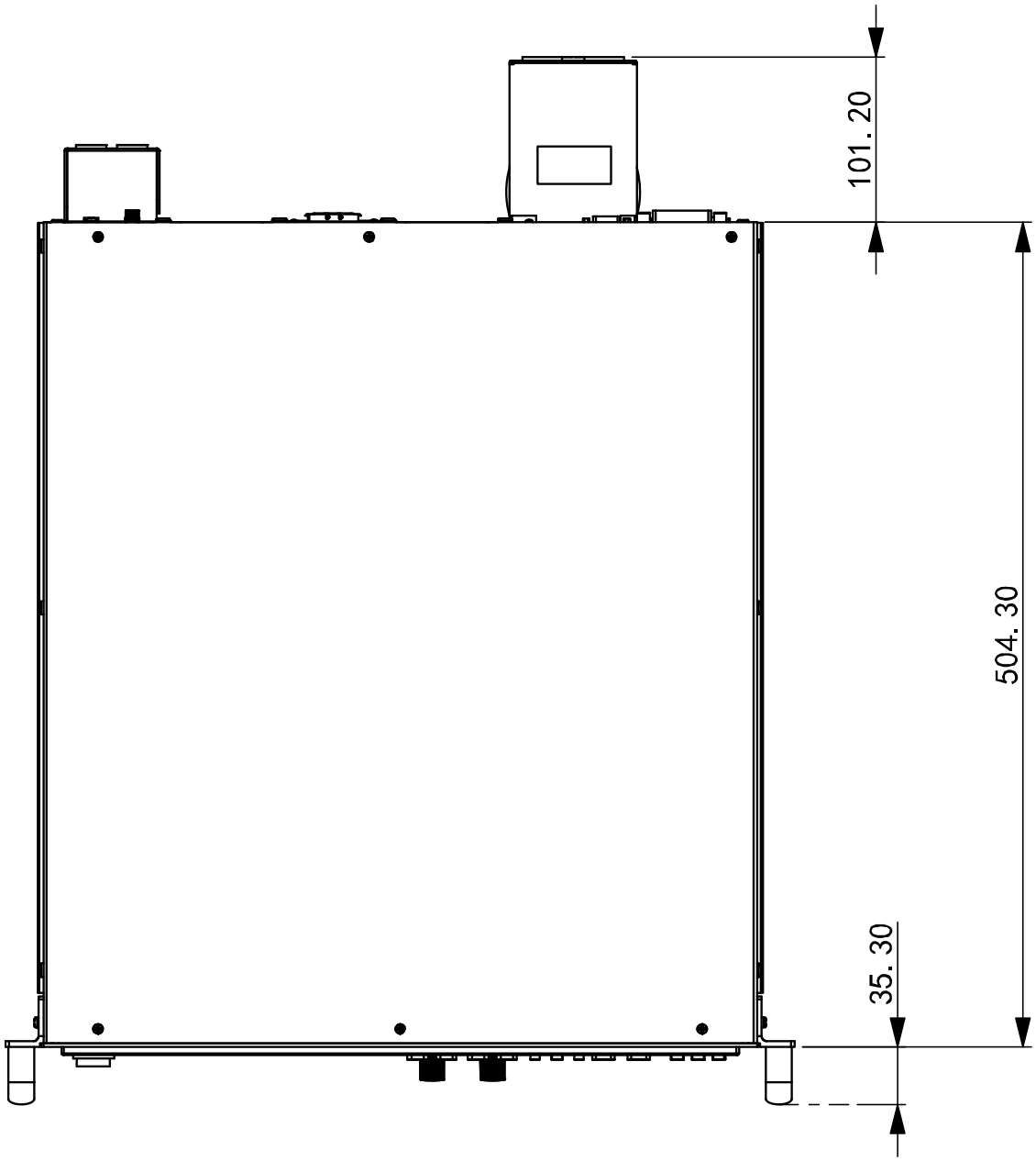


6U Model

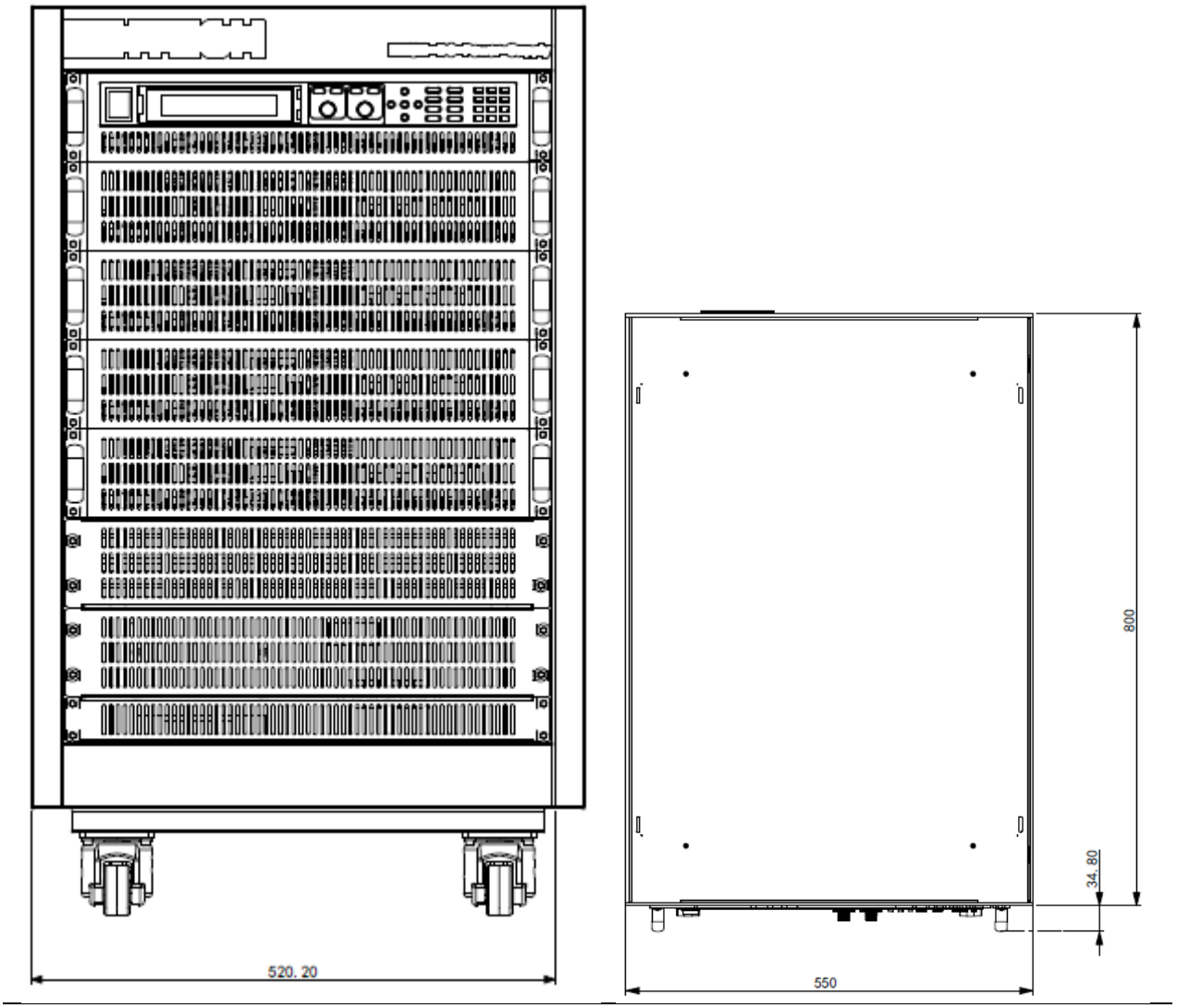


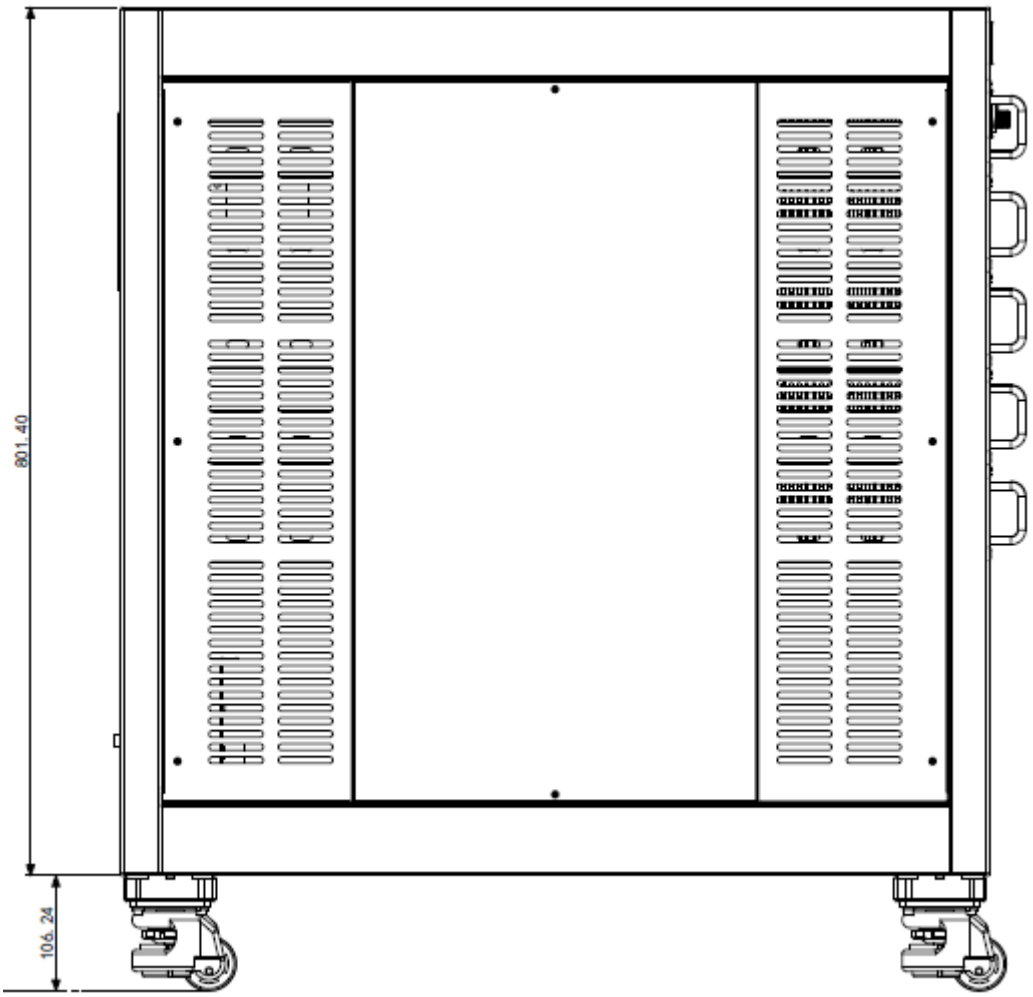
Detailed Dimension Drawing



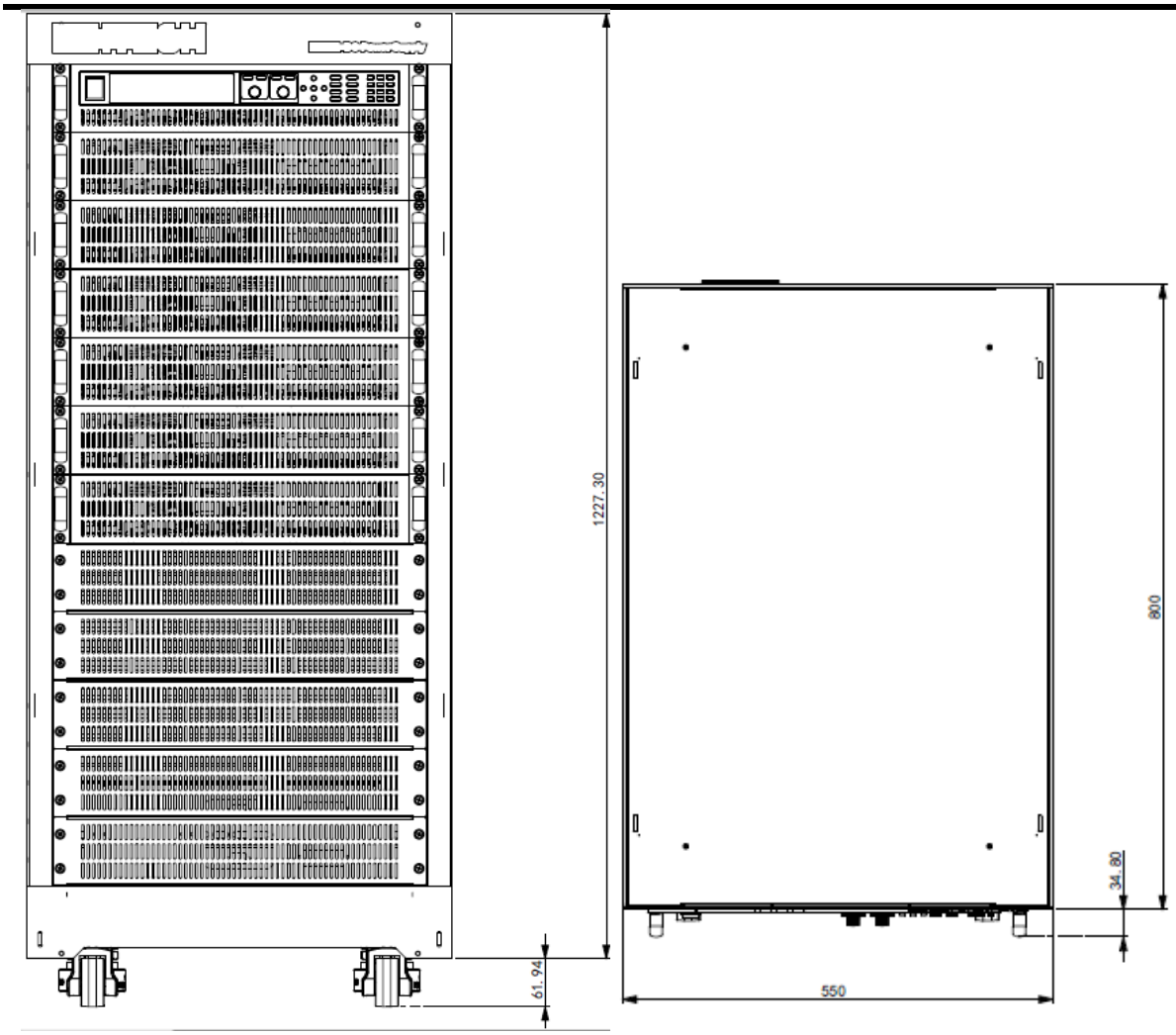


15U 机型




801.40
106.24

24U



1.3 Connecting the Power Cord

Before connecting the power cord, please ensure the power switch of the instrument is turned OFF. Only use the power cord supplied as a standard accessory. A summary of connection procedures is given below.

NOTE

IT6500D Series power supply can also work in 110V voltage circumstances. However, the output power is limited. For full-power output, please use 220V±10% voltage.

CAUTION

- **The power cords supplied with this product is certified for safety. In case the supplied lines assembly needs to be replaced, or an extension lines must be added, be sure that it can meet the required power ratings of this product. Any misuse voids the warranty of this product.**
- **Before connecting power cord, be sure to switch off the instrument. Power switch is in Off position.**
- **To avoid fire or electric shock, Make sure to use the power cord supplied by ITECH.**

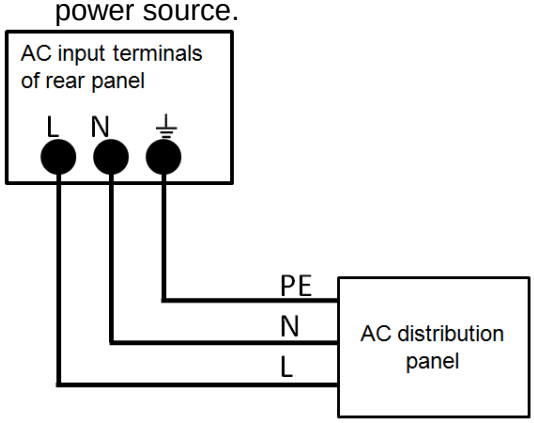
- **Be sure to connect the main power socket to the power outlet with protective grounding. Do not use terminal board without protective grounding.**
- **Do not use an extended power cord without protective grounding, otherwise the protection function will fail.**

IT6500D series contains many models. Different model is supplied with different power cord. The power cord and connection of different models are introduced as follow.

- IT6512D to IT6517D series power supply provides the standard power cords as below.

Connecting Method:

1. See the below illustration, one end of the AC power cord is connected to the AC input terminal in the rear board of the power supply. Connect the fire wire, zero line and ground to the corresponding terminal of the device.
2. Connect the plug on the other end of the power cord to your AC 220V power source.



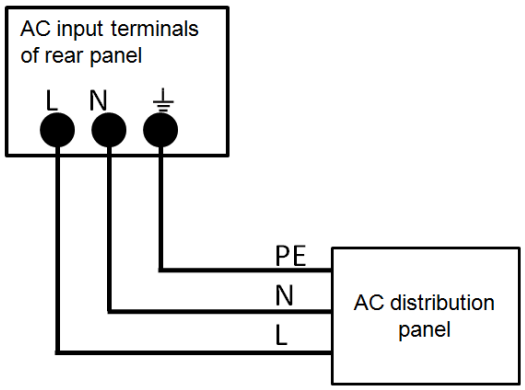
- IT6522D to IT6537D series power supply provides the standard power cords as below.

  The IT6532D to IT6537D Series power supply consist of two power supply units, and ITECH provides two power lines during delivery. The user needs to connect each power supply unit to the AC 220V power source.

Connecting Method:

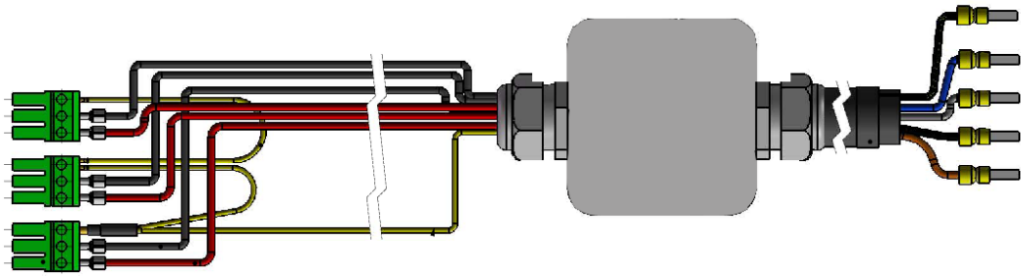
1. See the below illustration, one end of the AC power cord is connected to the AC input terminal in the rear board of the power supply. Connect the fire wire, zero line and ground to the corresponding terminal of the device.

2. Connect the plug on the other end of the power cord to your AC 220V power source. Connect the three terminals brown to line (L), blue to neutral (N), and yellow-green to ground (G) on the other end of the power cord to your AC distribution panel.



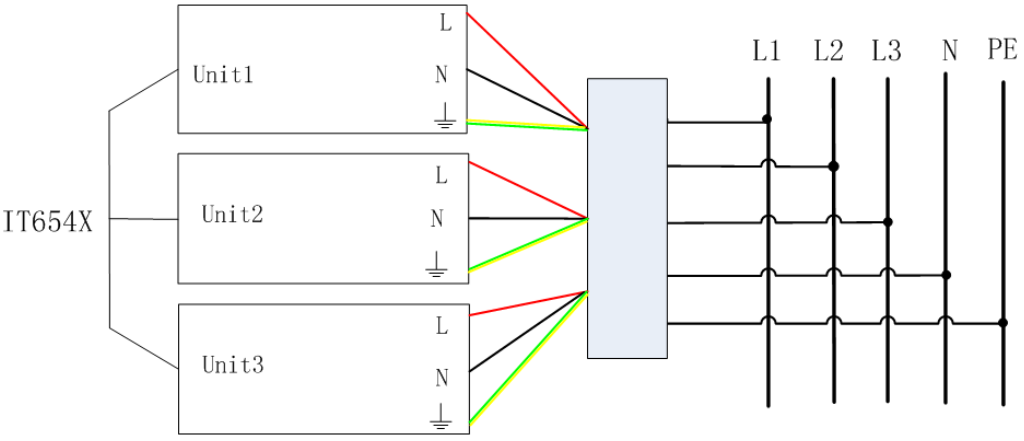
- IT6542D to IT6547D Series power supply provides the standard power cords as below.

  This series power supply consists of three power supply units. ITECH provides a tailor-made power lines, making it convenient to connect the power supply to the three-phase distribution box (380V).



Connecting method:

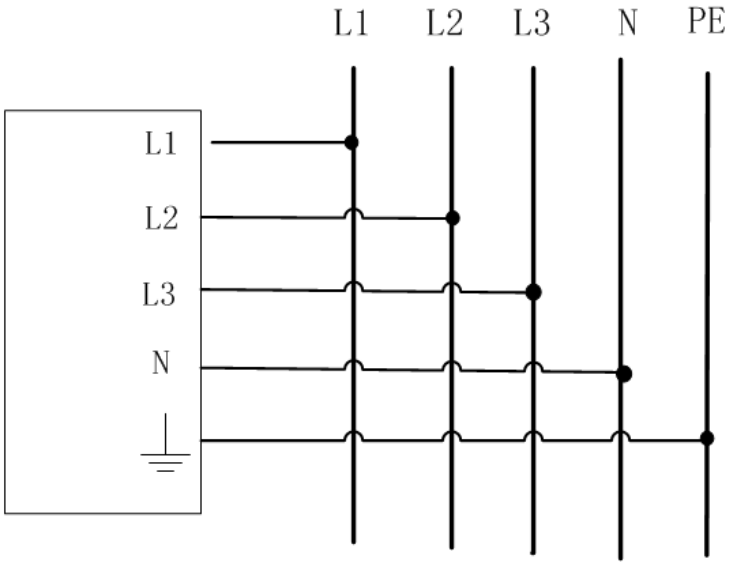
1. See the below illustration, one end of the AC power cord is connected to the AC input terminal in the rear board of the power supply. And directly insert the green terminals to AC input terminals, respectively.
2. The other end of the power cord is converted to cables of three-phase five-wire. Connect the five terminals to your AC 380V power source. And gray to line (L1), brown to line (L2), black to line (L3), blue to neutral (N), and yellow to protective ground (PE).



- IT6552D to IT6597D series power supply connects the end of power cords with cabinet.

  User connects the other end of power cord to AC distribution panel. The power supply AC input connecting as follows:

  Connect the five terminals brown to line (L1), black to line (L2), gray to line (L3), blue to neutral (N), and yellow to ground (G) on the other end of the power cord to your AC distribution panel.



1.4 Connecting Test Lines (Optional)

Test lines are not standard accessories of the instrument. Please select optional red and black test lines for individual sales based on the maximum current value. For specifications of test lines and maximum current values, refer to " **Specifications of Red and Black Test Lines**" in " **Appendix**" .

WARNING

- **Before connecting test lines, be sure to switch off the instrument. Power switch is in Off position. Otherwise, contact with output terminals in rear panel may cause electrical shock.**
- **To avoid electrical shock, before testing, please make sure the rating values of the testing lines, and do not measure the current that higher than the rating value. All test lines shall be capable of withstanding the maximum short circuit output current of the power supply without causing overheat.**
- **If several loads are provided, each pair of load wires shall safely withstand the rated short circuit output current of the power supply under full load.**
- **To avoid battery short circuit, be sure to check that the test line end is not connected when connecting or disassembling the test line. When the test line end is connected with battery, short circuit may cause severe accident.**
- **Always use test lines provided by ITECH to connect the equipment. If test lines from other factories are used, please check that the test line can withstand maximum current.**
- **During wiring, check that the anode and cathode of the test lines are**

properly and tightly connected; anode ON and cathode OFF are prohibited.

Test line connection is given below taking local measurement as example. For details of local and remote measurements, refer to " **Functions of Rear Panel Terminal**" .

1. Before connecting the test lines, be sure that the instrument Power is in Off position.
2. Check whether the shorting clip of Sense terminal is correctly mounted.
3. Unscrew the screws of the output terminals and connect the red and black test lines to the output terminals. Re-tighten the screws.

   When maximum current that one test line can withstand fails to meet the current rated current, use several pieces of red and black test lines. For example, the maximum current is 1,200A, then 4 pieces of 360A red and black lines are required.
4. Directly connect the other end of the red and black lines to the DUT terminal.

Chapter2 Quick Start

This chapter introduces power-on check steps of IT6500D series to ensure normal start-up and usage under initialization status. This part also introduces the front panel, the rear panel, key functions and VFD display function of the power supply, make sure that you can quickly know the appearance, instruction and the key function before you operate the power supply. Help you make better use of this series of power supply.

2.1 Brief Introduction

With ITECH latest technology, the IT6500D series offers a full-featured high-performance power test solution. With fast response these DC power supplies provide users with a new level of power supply performance. it also has a super wide range of voltage and current applications. Users can choose the power supply that fits their testing requirements perfectly.

IT6500D Series power supply is featured with:

- Auto-Range function
- Low ripple and low noise
- High Resolution Display
- High visibility vacuum fluorescent display (VFD)
- Support CV, CC and CP operating modes
- Adjustable rising time and falling time speed and independent time setting in various mode
- parallel function, active current averaging and expandable power output capacity up to 30kW
- Sequence programming (List mode)
- OVP, current limit protection, OCP, OHP and Vsense battery reverse protection
- RS232/USB/GPIB /LAN/CAN standard interfaces
- Analog Control Interface and remote sense.
- Intelligent fans control

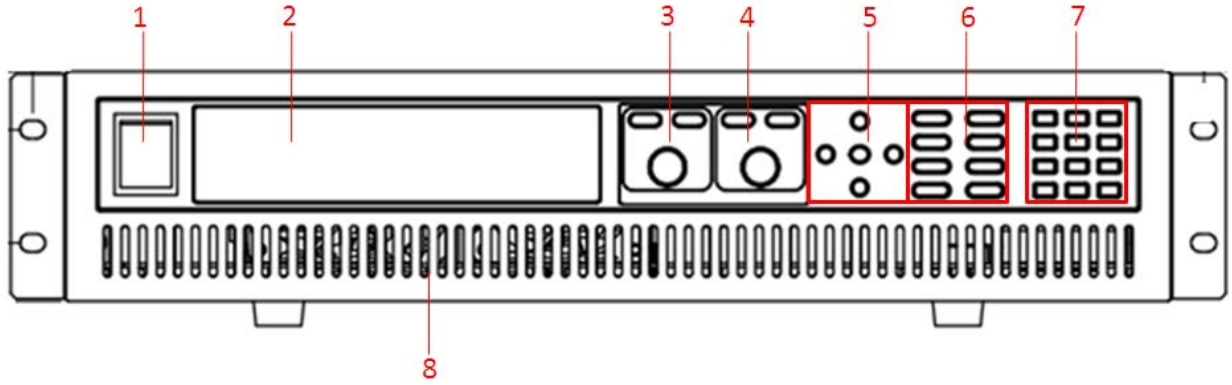
Model	Voltage	Current	Power	Height
IT6512D	80V	120A	1800W	2U
IT6513D	200V	60A	1800W	
IT6514D	360V	30A	1800W	
IT6515D	500V	20A	1800W	
IT6516D	750V	15A	1800W	
IT6517D	1000V	10A	1800W	
IT6522D	80V	120A	3KW	
IT6523D	200V	60A	3KW	
IT6524D	360V	30A	3KW	
IT6525D	500V	20A	3KW	
IT6526D	750V	15A	3KW	
IT6527D	1000V	10A	3KW	
IT6532D	80V	240A	6KW	4U
IT6533D	200V	120A	6KW	
IT6534D	360V	60A	6KW	
IT6535D	500V	40A	6KW	
IT6536D	750V	30A	6KW	
IT6537D	1000V	20A	6KW	

Model	Voltage	Current	Power	Height
IT6542D	80V	360A	9KW	6U
IT6543D	200V	180A	9KW	
IT6544D	360V	90A	9KW	
IT6545D	500V	60A	9KW	
IT6546D	750V	45A	9KW	
IT6547D	1000V	30A	9KW	
IT6552D	80V	480A	12KW	15U
IT6553D	200V	240A	12KW	
IT6554D	360V	120A	12KW	
IT6555D	500V	80A	12KW	
IT6556D	750V	60A	12KW	
IT6557D	1000V	40A	12KW	
IT6562D	80V	600A	15KW	
IT6563D	200V	300A	15KW	
IT6564D	360V	150A	15KW	
IT6565D	500V	100A	15KW	
IT6566D	750V	75A	15KW	
IT6567D	1000V	50A	15KW	
IT6572D	80V	840A	21KW	24U
IT6573D	200V	420A	21KW	
IT6574D	360V	210A	21KW	
IT6575D	500V	140A	21KW	
IT6576D	750V	105A	21KW	
IT6577D	1000V	70A	21KW	
IT6582D	80V	960A	24KW	
IT6583D	200V	480A	24KW	
IT6584D	360V	240A	24KW	
IT6585D	500V	160A	24KW	
IT6586D	750V	120A	24KW	
IT6587D	1000V	80A	24KW	
IT6592D	80V	1200A	30KW	
IT6593D	200V	600A	30KW	
IT6594D	360V	300A	30KW	
IT6595D	500V	200A	30KW	
IT6596D	750V	150A	30KW	
IT6597D	1000V	100A	30KW	

2.2 Front Panel Introduction

The 2U models of IT6500D Series power supply have same front panels. Other models, have same panels as 2U Model. The front panel diagram and function key diagram of 2U Model are as follows.

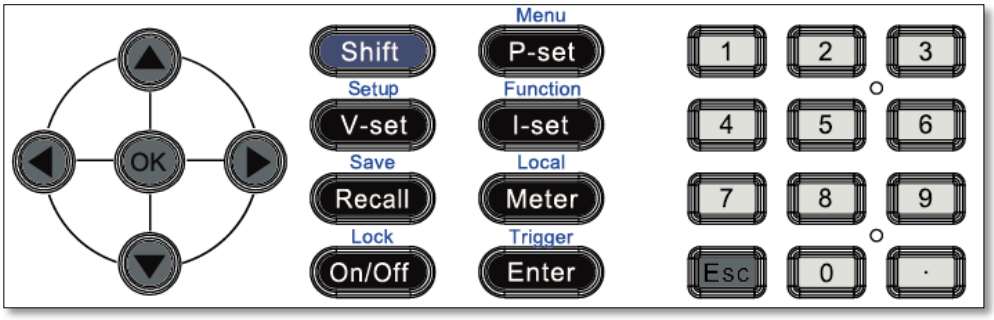
IT6512D/IT6513D/IT6514D/IT6515D/IT6516D/IT6517D/IT6522D/IT6523D/IT6524D/ IT6525D/IT6526D/IT6527D



1 Power Switch
2 VFD Screen
3 pulsating knob to control voltage, coarse button, fine button
4 pulsating knob to control current, coarse button, fine button
5 direction key and OK key
6 function keys and composite key
7 numeric key and Esc key
8 Vent hole

2.3 Keyboard Introduction

IT6500D series power supply different models are same the key function in front board, schematic graph as follow.



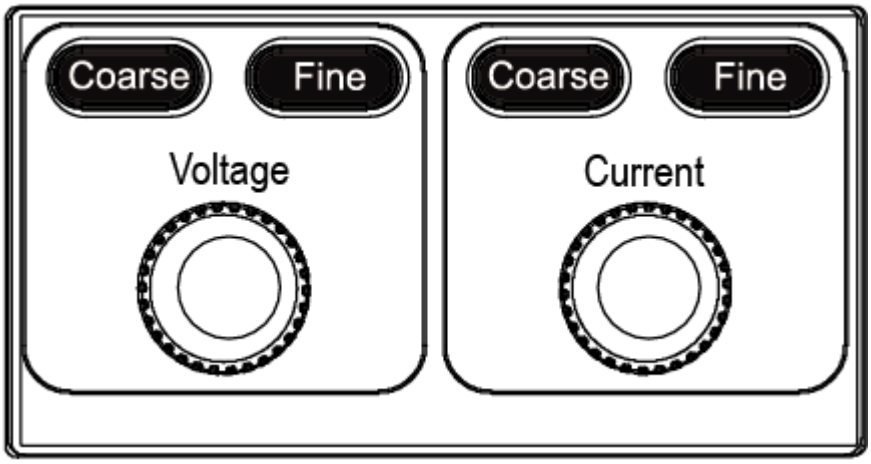
Detailed description of keys

keys	Name and functions
0-9	Numeric button
Shift	Composite key
P-set(Menu)	Power setting button, used to set the output power value/menu function button which used to set the related parameters of power supply.
V-set(Setup)	Voltage setting button, used to set the ouput voltage value/set the rising time and fall time of voltage.
I-set(Function)	Current setting button,used to set the output current value/set the List function.
Recall(Save)	Callback button, used to recall a saved setting parameter/save button,used to save a setting parameter.

keys	Name and functions
Meter/(Local)	Meter button,used to switch the display between actual value and setting value /switch to the loacl mode.
Enter/(Trigger)	Confirm button,to confirm the setting numbers or functions/trigger button
On/Off(Lock)	Ouput on/off button,used to control the output status of power supply/kelock function button,used to lock the front panel buttons
◀ ▶	Left and right direction button,used to adjust the location of the cursor
△ ▽	Up and down direction button,used to select the items of the menu or increase(decrease) the output voltage and current value
OK	Confirm button
Esc	Return key
•	Dot

2.4 Rotary Knob and Coarse/Fine Button Introduction

IT6500C series power supply is supplied with the voltage adjustment knob and the current adjustment knob, as shown below.



Adjust the voltage or current set value

The voltage knob or the current knob is used to adjust the voltage set value or current set value. Rotate the knob clockwise to increase the set value and anticlockwise to decrease the set value.

- The user can press the [**Coarse**] button and then rotate the knob to adjust the set value in integer bit. The step size of Coarse adjustment is 10. You can press left and right navigation key to move the cursor position.
- The user can press the [**Fine**] button and then rotate the knob to adjust the set value in decimal bit. The step size of Fine adjustment is 0.1. You can press left and right navigation key to move the cursor position.

Select the menu item

The voltage adjustment knob can be used to select the menu item. Press [**Shift**]+ [**P-set**](Menu) to enter the menu interface and then rotate the voltage adjustment knob to select the menu item from left to right.

2.5 VFD Indicator Lamps Description

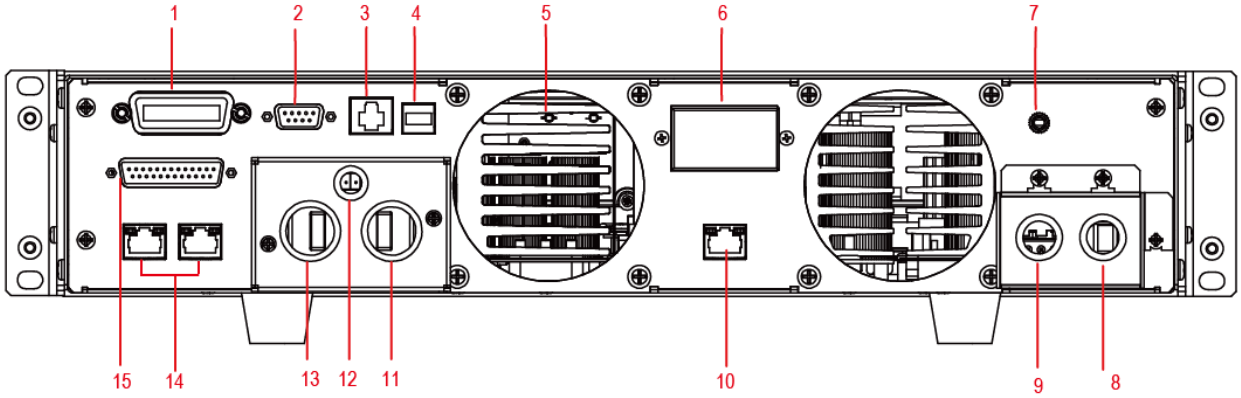
IT6500D series power supply VFD indicator lamps description as follows:

Flag	Function Description	Flag	Function Description
OFF	Power supply in off mode	**Timer**	none
CV	Power supply in CV mode	**Sense**	none
CC	Power supply in CC mode	**Ext**	none
*	Open the keylock function	**Addr**	When received command successfully, the flag will display 3 seconds.
Meter	" Meter" buttion in on mode	**Rmt**	Remote control mode
Shift	using composite function	**Error**	Error occur
Rear	Analog function begin to work	**Prot**	Protections for OV or OT
SRQ	Serial request query	**Trig**	waiting for triggering signal
OFF	Power supply in off mode	**Timer**	none
CW	Power supply in CP mode	-	-

2.6 Rear Panel Introduction

Different models of IT6500D Series power supply have different rear panels. The 2U rear panel is as shown below. Other models have same rear panels as 2U Model except systembus ans AC input terminal.

IT6512D/IT6513D/IT6514D/IT6515D/IT6516D/IT6517D/IT6522D/IT6523D/IT6524D/ IT6525D/IT6526D/IT6527D



1 GPIB interface
2 RS232 interface
3 LAN interface
4 USB interface
5 Fan
6 Not for user
7 Earth (ground) terminal
8 AC power input terminals
9 Not for user
10 Not for user
11 The positive terminal of output
12 Sense terminals
13 The negative terminal of output
14 System bus
15 Analog interface and CAN interface

2.7 Power-on Selftest

A successful selftest indicates that the purchased power product meets delivery standards and is available for normal usage.

Before operation, please confirm that you have fully understood the safety instructions.

WARNING

- **To avoid burning out, be sure to confirm that power voltage matches with supply voltage.**
- **Be sure to connect the main power socket to the power outlet of**

protective grounding. Do not use terminal board without protective grounding. Before operation, be sure that the power supply is well grounded.

- **To avoid burning out, pay attention to marks of positive and negative polarities before wiring.**

Power Switch Introduction

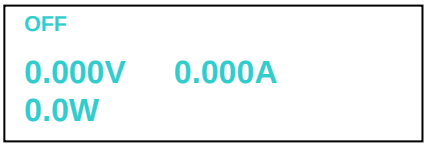
User can press the power switch of IT6500D series power supply directly to turn on or turn off the instrument.

The status of Powe switch are as follows.

Selftest steps

Normal selftest procedures:

1. Correctly connect the power cord. Press **Power** key to start up.
2. After selftest, VFD displays the output voltage and current status as below. The precision of different models are different, and the interface displays are not exactly the same. Please refer to the actual display.



Error Information References

The following error information may occur when an error occurs during Power On self-test:

- If the EEPROM was damaged, the VFD will display " Eeprom Failure" .
- If the system setting data in EEPROM is lost,the VFD will display " Main frame Initialize Lost" .
- If the calibration data in EEPROM is lost, then VFD will display " Calibration Data Lost" .
- If the lastest operation data in EEPROM is lost, then VFD will display " Config Data Lost" .
- In case of parallel networking fault, networking will be failed and " NETWORKING…" will be prompted.

Exception handling

If the power supply can not start normally, please check as below steps.

1. Check whether the power cord is correctly connected and confirm whether the power supply is powered.

   Correct wiring of power cord = > 2

   Incorrect wiring of power cord = > Re-connect the power cord and check whether the exception is removed.

2. Check whether the power turn On. Power key is under " | " " ON" status.

Yes = > 3

No = > Please check the Power key to start power and check whether the exception is removed.

3. Check whether the terminal resistance (plug) of the system bus is correctly installed.

   Yes => 4

   No => Please re-install the terminal resistance. For 2U model, insert the terminal resistance at any end of the system bus interface. For other models, insert the terminal resistance to the bus Input of the first power supply system and the bus Output of the last power supply system. Restart the power supply to see whether the fault isPress [Esc] key to see whether present fault state can be cleared. Or, the user can attempt to clear the fault state by restarting the instrument. Do not restart the instrument until it is completely powered down. If not, contact ITECH engineer.

Chapter3 Function and Features

This chapter describes in detail the use of the front-panel keys and shows how they are used to accomplish power supply operation.

3.1 Setting Voltage

The constant voltage range is from 0V to the maximum voltage value. It is very easy for you to set the constant voltage output. You have 3 solutions to set the constant voltage value.And when you press[**V-set**], this button will be lit.

- directly input through number keys

  Input the value you want to set and then please press [**Enter**] or [**OK**] button to confirm.

- using knob to set value

  Press [**V-set**] button
  Press [**Coarse**] button(coarse adjustment,change the value in integer bit) or [**Fine**] button(fine adjustment,change the value in decimal bit),and then rotate the knob to set the value

- using left and right direction key to set value

  Press [**V-set**] button
  Press [**Coarse**] button(coarse adjustment,change the value in integer bit) or [**Fine**] button(fine adjustment,change the value in decimal bit), move the cursor by left and right keys, then to adjust values through ▲and▼.

3.2 Setting Current

The constant current range is from 0A to the maximum current value. It is very easy for you to set the constant current output. You have 3 solutions to set the constant current value.And when you press [**I-Set**], this button will be lit.

- directly input through number keys.

  Input the value you want to set and then please press [**Enter**] or [**OK**] button to confirm.

- using knob to set value

  Press [**I-Set**] button
  Press [**Coarse**] button (coarse adjustment, change the value in integer bit) or [**Fine**] button (fine adjustment, change the value in decimal bit), and then rotate the knob to set the value

- using left and right direction key to set value

  Press [**I-Set**] button
  Press [**Coarse**] button (coarse adjustment, change the value in integer bit) or [**Fine**] button(fine adjustment,change the value in decimal bit), move the cursor by left and right keys, then to adjust values through ▲and▼.

3.3 Setting Power

The constant current range is from 0W to the maximum power value. It is very easy for you to set the constant power output. When you press [**P-set**], this button will be lit. then you can input the power value by numeric and press [**Enter**] or [**OK**] button to confirm.

3.4 Output On/Off Button

[**On/Off**] button is used to control the output state of power supply. If [**On/Off**] button is lit,this represents output is open.And in on mode,the indicator lamp(CC/CV/CW) will be lit.

NOTE

please ensure that the DC source and product under test have been connected well before you press [**On/Off**] button.

3.5 Switching Setting Value and Actual Value

[**Meter**] button is used to switch the display between actual value and setting value.When [**Meter**] button is lit, this represents that VFD board display is actual value.Reversely, if [**Meter**] button is dark,VFD board display is corresponding to setting value.

This option allows users to enable an internal fixed timer delay (5 seconds) for the power supply to automatically switch from setting display to measured display. When enabled, if the power supply output state is ON (enabled) and if the display shows setting voltage and current, it will automatically switch to measured voltage and current display after 5 seconds. **Factory default is Off status.**

3.6 Switching Local/Remote Mode

Power supply provides local and remote modes. The two modes can be switched through communication commands. The default setting is local mode.

- Local mode: use press keys on the power supply front panel to operate.
- Remote mode: connect the power supply with PC, and operate power supply through PC. When it's remote mode, only [**On/Off**], [**Meter**], [**Shift**]+[**Meter**](Local) work, with all the other panel keys not working. It can be switched to local mode by [**Shift**]+[**Meter**](Local).The power supply's output parameters won't be influenced when mode is switched.

3.7 Key Lock Function

[**Shift**]+[**On/Off**] (Lock) button can enable you to lock the front panel buttons,then VFD will display " *" . In keylock mode, all buttons will not work except for [**On/Off**], [**Meter**] and [**Shift**]+[**On/Off**] buttons. Re-press [**Shift**]+[**On/Off**] (Lock) button will release the keylock function.

3.8 Save/Recall Operation

IT6500D can enable you to save some frequently-used parameters in nonvolatile memory up to 100 sets.So that you can recall the parameters quickly.The following ways can help you achieve the save and recall operations: by pressing composite button [**Shift**] +[**Recall**] (Save) button or through command *SAV,*RCL.Save operation should work in with GROUP.Each GROUP can save 10sets, IT6500D includes 10 GROUP from 0-9.

Save parameters include setting voltage, setting current, setting power and the limit value of voltage, current and power.

Save method:

Using composite button [**Shift**]**+**[**Recall**] (Save) + number keys 1…9,and then pressing [**Enter**] button to save the preset value into specified memory region.

Using [**Recall**] (Save) button +number keys 1-9,and then pressing [**Enter**] button to recall the saved parameters from specified memory region.

3.9 System Menu

Press the composite key **[Shift]** + [**P-set**] (Menu) to enter the menu function. At this time, VFD displays optional menus. Scroll the VFD screen with Left/Right key or knob, and the following functions will appear in sequence. Press [**Enter**] to enter function options where the screen display locates. Press **[Esc]** to return to previous menu.

Menu	Menu setting		
SYSTEM	System menu		
	Reset	Restore to factory defaults	
	Power-On	Set power on parameters	
		Rst(Def)	Initialize the system
		Sav0	Remain last shutdown parameters
	Trigger	Set the trigger mode	
		Manual(Def)	Manual trigger
		Bus	Bus trigger
		Ext	External trigger
	Memory	Work with Recall(Save) button to recall 100 sets saved parameters	
		Group = 0	0: represents 0-9sets; 1: represents: 10-19sets, by parity of reasoning
	Buzzer	Set the buzzer function	
		On(Def)	enable the buzzer function
		Off	disable the buzzer function
	Communication	Select the communication interface	
		RS232(Def)	Select RS232 communication interface
			Baud rate : 4800/9600/19200/38400/57600/115200
			Data bit: 8 O Odd parity 2
			Parity bit: None/ E (Even parity)/O (Odd parity)
			Stop bit: 1/2
			Addr: Address=1
		USB	Select USB communication interface
		GPIB	Select GPIB communication interface
			Address= 15 set the communication address(1-30)
		LAN	Select LAN communication interface

			Info: The information of LAN. LAN Status: Down IP Mode: Disconnect IP Addr: 0.0.0.0 SubNet: 0.0.0.0 Gateway: 0.0.0.0 DNS1: 0.0.0.0 DNS2: 0.0.0.0 MAC: 8C:C8:F4:40:01:E1 MDNS Status: HostName: HostDesc: Domain: TCPIP::INSTR: Socket Port: 30000
			Config: IP-Mode: Auto/Manual Server-Config: MDNS: On/Off PING: On/Off telnet-scpi: On/Off Web: On/Off VX-11: On/Off Raw-socket: On/Off
			Restore: Restore to factory defaults, and the settings take effect after restart.
			Reset: Save all of setting, and the settings take effect after restart.
		CAN	Select CAN communication interface
			250K: Baud rate
			Addr: address of power supply
			Prescaler: Prescaler
			BS1 Value: Not settable
			BS2 Value: Not settable
	ReturnMeter	Enables automatic delay to switch display from setting to measured value (meter).	
		Off(Def)	Auto return Meter function disabled.
		On	Auto return Meter function enabled
	P-Out	Power whether power supply was on	
		Off(Def)	After power on,the instrument will be in the off state.
		Last	If output was on prior to turning the power off,the ON state will be resumed after power on.
CONFIG	Config menu		
	Load-Status	Setting the internal load status.	
		Off(Def)	Disables the dummy load (default).
		On	Enables the dummy load.
	Static-Curr	setting the static current when output is Off status	

		Off	Turn off static current function (avoid current flow-backward)
		On(Def)	Turn on static current function (clear voltage mantissa)
	Ext- Ctrl	External control mode and related parameter setting	
		Voltage(Def)	Voltage setting mode selection
		10V(Def)/5V	10V or 5V setting mode selection. select by left/right key.
		Resistance	Resistance setting mode selection. 10K or 5K setting mode selection, select by left/right key.
		10k/5k	
		Off	Disable or enable this function. Select by up/down key.
		On	
	Parallel	Parallel mode set up	
		Single	Single mode
		Master	Act as a master mode
			Master Mount: total number of instruments in parallel.
		Slave	Act as a slave mode
	Filter	Set the display filter frequency of the power supply	
		Low	Low speed frequency
		Mid(Def)	Middle speed frequency
		Fast	High speed frequency
	Sense-Protect	Enable sense reversed protection function	
		Disable	Disable sense reversed protection function
		Enable(Def)	V = 5V: The protect voltage value. Difference between sense voltage and output voltage. When exceeds the value, the protection will be activated.
			Delay = 0.1ms(Def): Protect delay time.
INFO	Product information		
	Model	Model of power supply	
	Ver	Software version	
	SN	Serial number	
	Last Cal	calibration information for last time	

Note

Press [**Shift**]+[**P-set**](Menu) to view the menu items,press [**Esc**] to quit menu operation.Besides,press [**Esc**] button can enable you quit the function operation state.

Restored to Factory Setting(>Reset)

This option is used to restore all settings in the system menu to factory setting values. Press [**Enter**] to restore to factory setting values. In this case, all set values in the system will be restored to factory setting values, i.e., the (Def) mark values.

Configure Power-On State(>Power-on)

When the power-on parameter is set as Rst, at each time of power on, the set parameters of the power supply will be 0V, 0.5A (The current set value of

different models are different.) and the power rated value. The parameter setting values under Setup and Function menus will also be restored to initial values.

Rst will not initialize the system setting and configuration setting. If Sav0 is selected, the parameters will be all setting values at the time of last power-off, including output and input setting values of the power supply.

Trigger Mode (>Trigger**)**

Trigger is used for trigger the output of voltage, current and power, and there're three kinds of trigger options: Manual, Bus, and Ext. The default settings is Manual

- Manual: the trigger signal will be given by composite keys [**Shift**]+[**Enter**](Trigger)
- Bus: bus trigger mode.
- Ext: external signal trigger.

Save Group Operation (Memory)

Power source can save 100sets parameters in nonvolatile memory by the save group setting.This operation provides the customer with a convenient and quick save/recall using condition.

GRP0: save(recall) power source parameters in 0-9 sets.Press [**Shift**]+ [**Recall**](Save)+0-9 numeric keys([**Recall**] +0-9 numeric keys to recall the parameters)

GRP1: save(recall) parameters in 10^{th} -19^{th} sets.Press [**Shift**]+ [**Recall**](Save)+numbers1-9 to save the parameters([**Recall**] +numbers1-9 to recall parameters).Under this condition,number " 1" represents to save or recall the 10^{th} parameters.Number " 2" represents to save or recall the eleventh parameter.GRP2-GRP9 can be understood in the same manner.

Key Sound Set(>Buzzer)

This item can set the buzzer state.**On** option indicates that when you push buttons,the buzzer will sound.**Off** option indicates that the buzzer function is disabled.Factory default is **On** option**.**

Communication Set(>Communication)

Under this item,you can set the concrete communication mode.This unit has provided multiple communication interfaces: RS232/USB/GPIB/LAN/CAN.Of which,the GPIB are addressable from 1-30.The baudrate options of RS232 are 4800,9600,19200,38400,57600,115.2K.Data bit is 8bits.Parity bit has three options: NONE,ODD,EVEN.Please ensure the configuration consistency between our instrunment and PC,so that you could have a successful communication.

Return to Meter state(> Return Meter)

This option allows users to enable an internal fixed timer delay (5 seconds) for the power supply to automatically switch from setting display to measured display. When enabled, if the power supply output state is ON (enabled) and if the display shows setting voltage and current, it will automatically switch to measured voltage and current display after 5 seconds.

Power On Output State (> P-OUT)

This item can set the power on output state. If you select **Last** item, that indicates the power on output state is the same with output state before this item is set. If you select **Off** item, unit will automatically in off mode when you power on. Factory default is **Off** option**.** And this setting is effected by Power-on, and take effect when the Power-on set to Save0.

Load Setup Option (> Load)

The power supply has an internal dummy load that can be enabled to increase the speed of the voltage fall time for high speed test applications. Default setting is Off status.

Load status must be set to **On** when use adjustable rise time and fall time speed function.

Setting Filter

This options sets the display filter frequency of the power supply. The filter function of this series of power supply is averaging calculation. The average values of different frequencies are different, as shown below: Low: 2^16; Mid: 2^14; High: 2^8.

3.10 Setup Menu

Related power supply parameters can be set in Configuring Menu. Details are as follows:

Voltage/current/power slope

- OVP/OCP/OPP
- Maximum and minimum values of voltage/current/power

Press **[Setup]** in the front panel to enter the Source menu for setting.

Setup	Source	Configure menu		
		Slope	Set the slope	
			V-Rise: voltage rise slope	
			V-Fall: voltage fall slope	
			I-Rise: current rise slope	
			I-Fall: current fall slope	
			P-Rise: power rise slope	
			P-Fall power fall slope	
		OVP	Over voltage protection	
			On	Enable over voltage protection function
				V: OVP value
				Delay: delay time of protection
			Off	Disable over voltage protection function
		OCP	Over current protection	
			On	Enable over current protection function
				I: OCP value
				Delay: delay time of protection
			Off	Disable over current protection function

		OPP	Over power protection	
			On(Def)	Enable over power protection function
				P: OPP value
				Delay: delay time of protection
			Off	Disable over power protection function
		Limit	V-Max	Maximum voltage setting
			V-Min	Minimum voltage setting
			I-Max	Maximum current setting
			I-Min	Minimum current setting
			P-Max	Maximum power setting
			P-Min	Minimum power setting

3.11 Setting Output Rise Time/Fall Time

Rise/fall time is the time taken for one voltage point to rise/fall to the other under the output status is ON. When view the fall time that voltage falls to 0V, set 0V through [**V-set**]. After press [**Enter**] to confirm, voltage will fall based on the set fall time.

1. Press [**Shift**] + [**V-set**](**Setup**) to enter power supply setting screen.
2. Select " **Source**" .
3. Select " **Slope**" .

   You can set the rise/fall times for voltage, current and power. The unit is second (S). Each setting can be selected through the Up/Down key. Adjust the rise edge time through the numeric key, Up/Down key or knob. After input, press **[Enter]** or **[OK]** for confirmation.

- V-Rise/ V-Fall: Voltage rise/fall slope.
- I-Rise/ I-Fall: Current rise/fall slope.
- P-Rise/P-Fall: Power rise/fall slope.

Note

The drop rate of the voltage is affected by the internal load. Enable the internal load to get the drop rate of the voltage up. Please refer to 3.9 System Menu for more detailed setting.

3.12 Protection Function

OVP, OCP, OPP and OTP are provided in the IT6500D Series power supply.

IT6500D Series provides OVP, OCP, OPP. In addition, this power supply also provides OTP, Sense reverse protection, power-down protection and input under-voltage protection. In case of protection, please check fault reason and remove fault. Press the [**Esc]** key to disarm protection status.

OVP

User can enable the over voltage protection function and set the protection value in setup menu, Over Voltage Protection will be triggered when the voltage exceeds the protection value. Many reasons could cause a over voltage protection. For example, caused by internal defect, misoperation, or too high external voltage.

Once the power supply is over voltage protected,will the output be shut down at

once,and " Prot" indicator lamp will be lit, and prompt " Over Voltage" will be displayed on VFD screen. Please avoid inputing a external voltage higher than 120% rated value, or the instrument will be damaged.

When the power source is in OVP state, you should check the external cause firstly. When the external factors are excluded, please press [**On/Off**] button.Then the unit could have a output voltage again.If in remote control mode,you should clear the OVP state,then could you open the output by OUTP ON command.

Set the OVP voltage value as follows:

1. Press the composite key [**Shift**] + [**V-set**] (Setup) to enter the setup Menu.
2. Select " Source" in the menu and press **[Enter]** for confirmation.

   The power supply can set its OVP.
3. Select OVP with Left/Right key and press **[Enter]** for confirmation.
4. Select On to enable OVP function and press **[Enter]**.
5. Set OVP voltage value with numeric key and press **[Enter]** for confirmation.
6. Set OVP delay time with numeric key and press **[Enter]** for confirmation. Press **[Esc]** to exit menu setting.

OCP

User can enable the over current protection function and set the protection value in setup menu, Over Current Protection will be triggered when the current in circuit exceeds the protection value.

Once the power supply is over voltage protected,will the output be shut down at once,and " Prot" indicator lamp will be lit, and prompt " Over Current" will be displayed on VFD screen. At same time, the beeper will be on.

Set the OCP current value as follows:

1. Press the composite key [**Shift**] + [**V-set**] (Setup) to enter the setup Menu.
2. Select " Source" in the menu and press **[Enter]** for confirmation.
3. Select OCP with Left/Right key and press **[Enter]** for confirmation.
4. Select On to enable OCP function and press **[Enter]**.
5. Set OCP current value with numeric key and press **[Enter]** for confirmation.
6. Set OCP delay time with numeric key and press **[Enter]** for confirmation. Press **[Esc]** to exit menu setting.

OPP

OPP is a protection measure taken when the actual power exceeds the rated power of the power supply. Under OPP, the power supply output will be switched off and VFD indicator " Prot" will be lighted on. In addition, the VFD display screen will display " Over Power" .

This series of power supply can set OPP.

Set the OPP current value as follows:

1. Press the composite key [**Shift**] + [**V-set**] (Setup) to enter the setup Menu.
2. Select " Source" in the menu and press **[Enter]** for confirmation.
3. Select OPP with Left/Right key and press **[Enter]** for confirmation.
4. Select On to enable OPP function and press **[Enter]**.

5. Set OPP power value with numeric key and press **[Enter]** for confirmation.
6. Set OPP delay time with numeric key and press **[Enter]** for confirmation. Press **[Esc]** to exit menu setting.

Over-temperature protection

When internal power device of instrument is higher than about 90 °C, the instrument is under temperature protection. At this time, the instrument will automatically be OFF and VFD will display " Over Temperature" .

Power down protection

With power-down protection, when the instrument power supply is switched off and the instrument detects power-down status, the instrument will immediately execute output switch-off and the instrument interface will display " power-down" .

Under Voltage Protection

When internal voltage is low due to internal fault or when AC input voltage is low, the instrument will initiate the under-voltage protection. Or when 110V AC power supply is connected, the instrument output function is limited. When the set output power exceeds limit value, the instrument will also initiate under-voltage protection status. In the case of under-voltage protection, the instrument interface will display " Under Voltage Prot" .

Sense Reverse Protection

When the difference between output terminal voltage and sense remote voltage exceeds the specified voltage and lasts for 10ms, sense reverse protection will be enabled. The power supply output will be immediately switched to Off and the buzzer will sound if the sense terminals are reversed. The display screen will display " Sense Reverse Prot" . Press [**Esc]** to clean the protection.

When the power source is in Sense Reverse Protection state, you should check the whether the polarities are connected reversely or not firstly. When the polarities connect correctly, please press [**On/Off**] button. Then the unit could have a output voltage again.

The voltage difference between output terminal and remote sense terminal of each model is not the same. The detailed value is shown in the next table. When the remote sense terminal is connected reversely, the maximum voltage will not exceed the sum of set voltage and the difference voltage.

IT6512D~IT6592D	5V
IT6513D~IT6593D	5V
IT6514D~IT6594D	7V
IT6515D~IT6595D	10V
IT6516D~IT6596D	15V
IT6517D~IT6597D	20V

3.13 Setting Maximum and Minimum Values

The maximum voltage of the power supply ranges from V-min to full-rated output voltage. Press the composite key [**Shift**] + [**V-set**] (**Setup**) to enter the

Configuring Menu for setting maximum and minimum values of power supply voltage, current and power.

Set the maximum and minimum voltages as follows:

1. Press the composite key [**Shift**] + [**V-set**] (**Setup**) to enter the Configuring Menu.
2. Select " Source" in the menu and press **[Enter]** for confirmation.
3. Select Limit with Left/Right key and press **[Enter]** for confirmation.
4. Set the V-Max with numeric key and press **[Enter]**.
5. Set the V-Min with numeric key and press **[Enter]** for confirmation.

   Or, select the maximum/minimum current or power with Arrow key.
6. Set maximum/minimum current or power with numeric key or press **[Esc]** to exit menu setting.

   After the maximum/minimum voltage is set, the output voltage can only be set within this range. Vmax factory setting is the rated output voltage of corresponding model of the power supply. V-Min is 0V.

3.14 Charge Protection

This power supply is applicable to battery charge test and provides charge protection during battery charge test. Even when the internal load is activated, the UUT will not be discharged. During charge protection, the power supply switches off output as follows.

1. Power output is switched off (On/Off key is lighted off) and power supply will stop output.
2. The internal load discharges the capacity energy at power output through a small current.

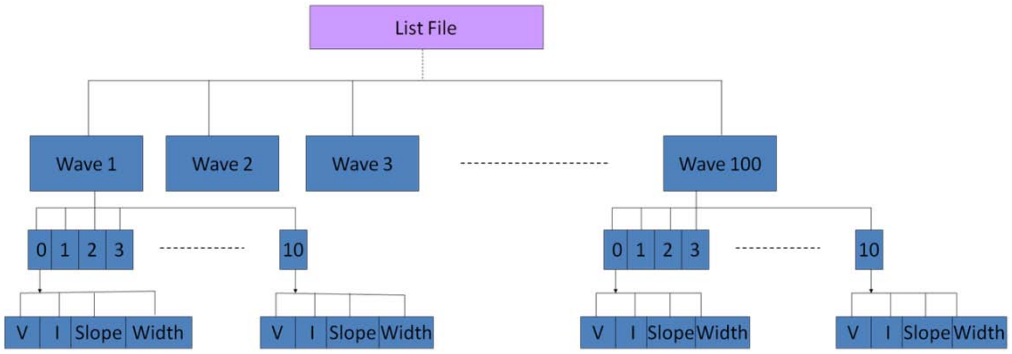
- When abnormal capacity energy discharge is detected, the UUT connected at the output terminal is a battery or other energy storage devices. →Step 3
- When capacity energy discharge of the power supply is normal, it means that no energy storage device is found. Continue to discharge the current to 0V. →End

3. The power supply will automatically adjust the internal load discharge current to 0 and stop discharge.

   This protection function forbids UUT discharge to guarantee device safety. It also avoids insufficient charge during battery charge test.

3.15 LIST Operation

IT6500D LIST mode comprises 10 files (File1-File10) in total, and each has 10 waves. Each wave has 10 steps. You need to edit the voltage, current, pulse width and rise/fall slope of each step. Each wave can set repetition, so does each list file. Ten wave files can be linked in sequence under one list. Relationship between List file and wave file is shown below.



List file can select any one from 100 waves. Each List file can select 10 wave files at most and combine them into a List file based on sequence.

Each wave file has ten steps. The List file can select the wave file and set the count of repetitions to be executed.

List function menu is as follows.

List	List function menu	
	On/Off	List function switch
	Recall	List file recall
		Recall List File: Need to recall list file number.
	EditFile	List file edit
		Repeat: count of List file repetitions (0-65535)
		Wave Count: total count of waves contained in this List file. (1-10)
		1st Wave Select: number of the first wave selected
		1st Wave Repeat: count of repetitions of the first wave selected (0-65535)
		Yes/No: save to the file or not
	EditWave	Wave file edit
		Recall Wave: Need to recall Wave file number.
		Step Count: total count of steps contained in the Wave file (1-10)
		Step1 Voltage: Voltage setting of step 1 (0-Vmax)
		Step1 Current: Current setting of step 1 (0-Imax)
		Step1 Width: Width setting of step 1 (0s-24h)
		Step1 Slope: Slope setting of step 1 (0s-24h)
		Save to Wave: save to the Wave file

Wave edit and List edit have no order of priority.

Editing Wave

List file can arrange and link several Wave files. The user can pre-edit several Wave files and select edited wave file that meets requirements during usage. In this series of power supply, at most 100 wave files can be

edited.

Take an example for 3 steps, the steps of editing Wave file are as follows:

1. Press [**Shift**]+[**I-set**](Function) to enter List operation.
2. Press ▷ to select **EditWave** from the menu, and press **[Enter]** for confirmation.
3. Press numeric key to input the number of Wave file under edit, where Recall Wave= 01, and press **[Enter]** for confirmation.
4. Press numeric key to input total count of steps for the current Wave file, where Step Count=03, and press **[Enter]** for confirmation.
5. Press the numeric key to set the voltage, current, slope and width of the Wave step 1 in sequence.

   Step1 Voltage = 1V

   Step1 Current = 1A

   Step1 Width = 1s

   Step1 Slope = 0.1s
6. After editing the above parameters in step 1, continue to edit the same parameters for step 2 and step 3. Count of steps is up to customer requirements. At most 10 steps can be edited. The edited Step Count shall be consistent with the one defined by the customer.
7. Select Yes. After editing, select Yes or No. Select Yes to save to the Wave file. Select No not to save and return back to the List Setting screen.
8. Select Save to Wave to save, and press **[Enter]** for confirmation.

Editing List File

List file editing means to arrange and link several Waves in certain sequence.

Take an example for 3 wave files, the steps of editing list file are as follows:

1. Press [**Shift**]+ [**I-set**](Function) to enter List operation.
2. Press ▷ to select **EditFile** from the menu.
3. Press the numeric key to set the count of repetitions in executing this List file. For example, if there are 2 repetitions, Repeat = 2.
4. Press the numeric key to set the count of Waves contained in this List. For example, Wave Cont = 3.
5. Press the numeric key to input the number and count of repetitions of the first Wave selected.

   1st Wave Select = 02

   1st Wave Repeat = 1
6. Press the numeric key to input the number and count of repetitions of the second Wave selected.

   2nd Wave Select = 02

   2nd Wave Repeat = 1
7. Select the Wave arranged and count of repetitions in sequence. The Wave count and arrangement sequence of each List file can be defined by the customer based on requirements. A List file can link 10 Waves at most. The edited Wave count shall be consistent with the one defined by the customer.

8. Select Yes. After editing, select Yes or No. Select Yes to save to the List file. Select No not to save and return back to the List Setting screen.
9. Select Save to File = 01 to save, and press **[Enter]** for confirmation.

Run List File

After editing List file, the user needs to set the trigger mode and run List function. Return to the main screen for triggering. Detailed steps are as follows:

- Before starting up List function, please set trigger mode first. See Section 3.9 for trigger source.

1. Press the composite key [**Shift**]+[**P-set**](Menu) to enter the System Menu.
2. Select SYSTEM and press left and right key to select Trigger.

   Set the required trigger mode. Default trigger mode is Manual.

- Trigger the List file as follows

1. Press [**Shift**]+ [**I-set**](Function) to enter List operation.
2. Press ▷ to select Recall from the menu, and press [**Enter**] for confirmation.

   Recall File Name = 01

3. Press Arrow key to select Off. Press [**Enter**] for confirmation. Then, Off is changed to On. List function is switched on.

   On Recall EditFile EditWave

4. Press [**Esc**] back to the main screen. Press [**On/Off**] to switch on power output. The screen is displayed as follows.

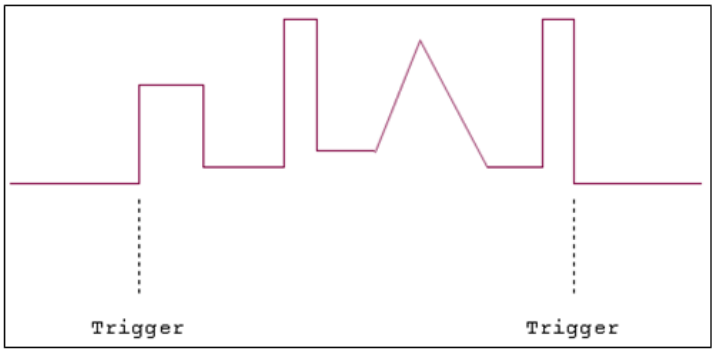
   0.00V 0.00A
   0.0W List

5. Press [**Shift**]+ [**I-set**](Trigger) for triggering. The VFD Trig is lighted up.

NOTE

If On Recall EditFile EditWave is displayed under LIST MENU or the external analog control function is switched on, neither List nor Wave file editing is accessable. In this case, change On Recall EditFile EditWave to Off Recall EditFile EditWave before operation.

Diagram of LIST Output Wave

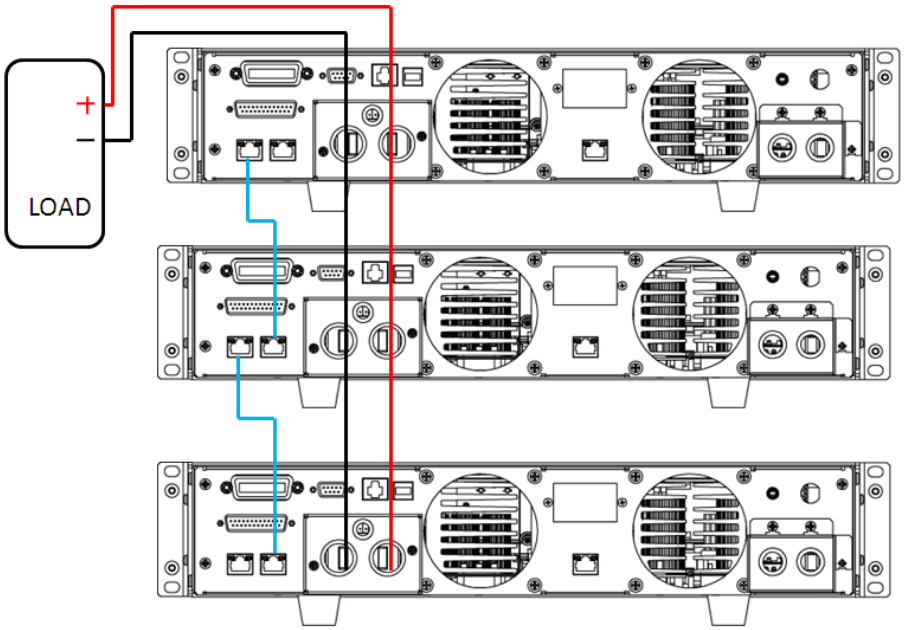


3.16 Parallel Operation

This series of power supply supports mutual parallel operation of same models and to increase output power and output current. In addition, active current sharing is provided for parallel instruments.

The figure below shows 3 pcs power supplies in parallel, in which, the system bus is used for master-slave connection.

Fig.1 Schematic Diagram of 3 Pcs Power Supplies in Parallel



The master-slave connection for configuring 3 pcs power supplies is as follows:

1. Configure one power supply as the Master and the other power supplies as Slave. Press the composite key [**Shift**]+[**P-set**](Menu) to enter the System Menu.
2. Press the Right key to select " **CONFIG**" and press [**Enter**] to enter the Configuring Menu.
3. Press the Right key to select " **Parallel**" and press [**Enter**] for parallel setting.

- Single: Single mode.
- Slave: Salve mode.
- Master: Master mode. If Master mode is selected, you need to set the number of Salves for the Master.

  Mount: total number of instruments in parallel. For example, Mount=3.

4. After setting of host and slave, switch off the power supply. Connect the networking.
5. Connect the networking as shown above. Please connect the network after parallel setup. Otherwise, at start up, the power supply will detect parallel setup fault and fail to start up.

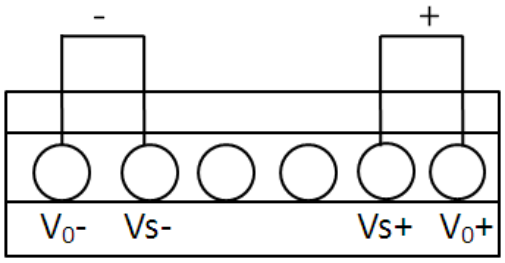
CAUTION

- **When connecting the system bus, please note the built-in terminal matching resistance at the rear panel. If the resistance is removed, the instrument may not work properly. The user can install the terminal matching resistance on the Input end of the first system bus and the Output end of the last system bus**.
- **The system bus interface is not isolated from the output electrode. After power on, it is not allowed to insert or pull out the bus and terminal matching resistance.**

3.17 Rear Panel Terminal Functions

If the tested instrument consumes large current, a large voltage drop will be detected in connection line between tested instrument and power supply terminal. To ensure measurement accuracy, a remote sense measurement terminal is provided at power supply rear panel to compensate voltage drop lost in wire.

When the power supply is used for measuring battery charge in actual applications, the voltage drop of the wire will lead to voltage inconsistency of both ends and inconsistency of the cutoff voltage of power supply and the actual voltage of battery, resulting in inaccurate measurement.



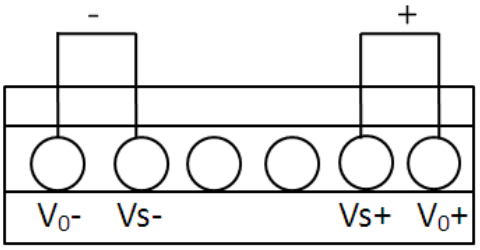
- Vo+,Vo-: output terminals
- Vs+,Vs-: remote sense terminal

  When using the remote sense function,please cut off the connection wire between **Vo+ and Vs+**,so will the line between **Vo- and Vs-** terminals.Then extending lines from Vs+ to the positive terminal of undertested product and line from Vs- to the negative terminal of undertested product.

Use local sense:

Local sense doesn't compensate the voltage drop on the connection wire, the operation is:

1. Connect the Vo+ and Vs+ , Vo- and Vs- for short circuit using the short clips on the back panel of the instrument or electric wire. When using local sense, the romote sense terminal can not be disconnected. illustrated below.



2. Connect the the positive and negative terminals of the rear panel to the DUT.

Note

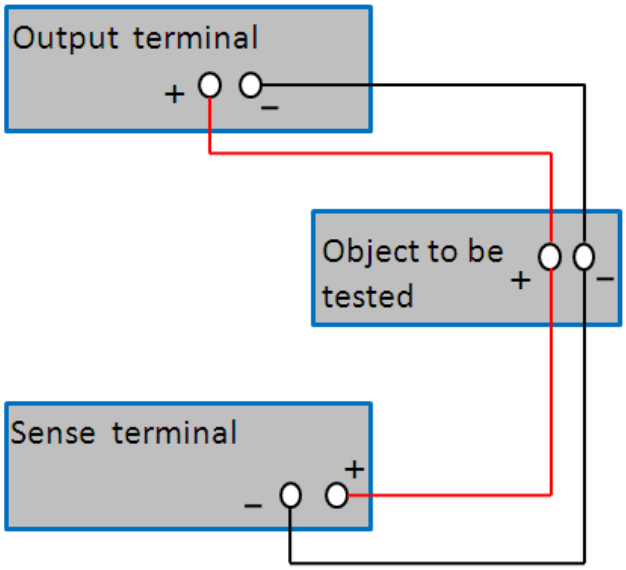
DO not disconnect the wires if remote sense is not used. Doing so will cause erratic behavior and may damage the power supply under certain conditions

Use remote sense:

Disconnect the wires between **Vo+** and **Vs+,** and **Vo-** and **Vs-** pins if you want to use remote sense function.Then lead a wire from Vs+, Vs- pins and connect to the DUT.

1. Disconnect the wires/short clips between Vo+ and Vs+, Vo- and Vs-.

2. Connect the **VS+** to the DUT's positive (+) terminal, and connect the **VS-** to the DUT's negative (-) terminal.
3. Connect wires from **Vo+** , **Vo-** to the device under test.



NOTE

In order to ensure the stability of the system, using armored twisted pair cable between the remote sense terminal of IT6500D and DUT.

Please note that the positive and negative polarity when wiring, otherwise it will damage the instrument!

Remote Sense Protection(>Sense-Protect)

The power supply output will be immediately switched to Off and the buzzer will sound if the sense terminals are reversed. The VFD display screen will display " Sense Reverse Prot" . And please press [**On/Off**] to clean the protection.

When power supply in sense reverse protection state, please check the anode and cathode of the sense terminal must be connected properly.

3.23 Analogue Interface (Enhanced Isolation)

A DB25 analog interface is set at the rear panel of the power supply, through which, you can connect the external voltage (0V-5V/0V-10V) or external resistance (0KΩ-5KΩ/0KΩ-10KΩ) to program output voltage or current on 0-full range. At the same time, with analog monitoring function (0V-5V/0V-10V), you can monitor the output voltage or current on 0-full range.

Analog signal bandwidth is less than 100Hz,. support any waveform within signal bandwidth. When the program signal frequency or amplitude exceeds output capacity, the output amplitude will be automatically limited.

In parallel operation, you can program or monitor output through the host analog interface. The 0V-5V/0V-10V program and monitoring range is changed to 0-full range of parallel machine. Safe electrical isolation is set between this analog interface and output electrode.

To run this function, you need to set the parameters below:

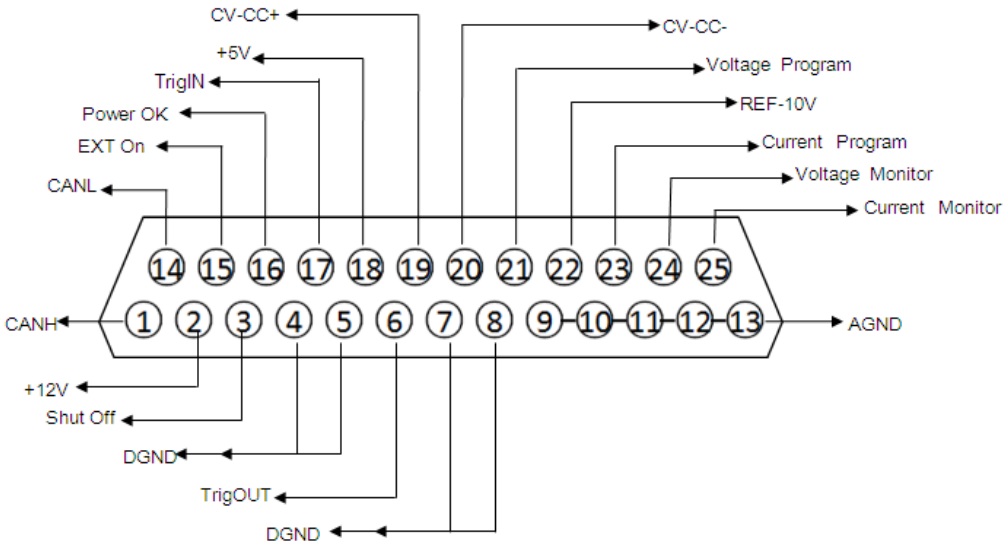
Monitor	10V(Def)	10V monitoring mode options
	5V	5V monitoring mode options
Ext- Ctrl	**External control mode and related parameter setting**	

	Voltage (Def)	Voltage setting mode selection
	10V(Def)/5V	10V or 5V setting mode selection, select by Left/Right key.
	Resistance	Resistance setting mode selection
	10k(Def)/5k	10K or 5K setting mode selection, select by Left/Right key.
	Off	Disable or enable this function. Select by up/down key.
	On	

The above parameters can be selected through the configuration menu.

1. Press the[**Shift**]+[**P-set**] (Menu) to enter the menu.
2. Press the Right Key to select **CONFIG** and press [**Enter**] to enter the configuration menu;
3. Press the Right Key to select the Ext-Ctrl and press [**Enter**] to enter the configuration of external analog parameters. When setting every item, please use the Up/Down Key for selection.

   After selecting the **Ext-Ctrl** as " On" , exit the Menu. At this time, the Rear indicator on the VFD status bar will be lighted on and the right corner will display " Analog" .



DB25

Pin	Name	Instruction
Pin 1 and Pin 14	CANH CANL	Pin 1 used for CAN H interface, and Pin 14 used for CAN L interface.
Pin 2	+12V	Power supply output 12V, driving capacity 0.1A
Pin 3	Shut Off	Used for switching off the function under emergency status (In general circumstances, the pin is suspended, and defaulted to low level); when external high level is connected, output is off.
Pin 15	EXT ON	Used for controlling output On/Off of the power supply; default setting is high level. Output is controlled by On/Off; when external low level is connected, or when it is short circuited to DGND, output is switched off. At this time, setting of output On/Off fails.
Pin 16	Power OK	Used for indicating whether the power output is normal; if so, output 5V; in case of power supply failure, output 0V.

Pin 17	TrigIN	Input signal of reverse protection mode. When input is low level, alarm "OutPut Reverse Protect" fault. At the mean while, in external trigger mode, when input is low level, then actualize trigger function.
Pin 6	TrigOUT	Output signal of reverse protection mode. When power supply output is On, this pin outputs high level; when this power supply output is Off, this pin outputs low level; it can be used for synchronous control of On/Off for other devices with driving capacity of 5V/5mA
Pin 18	+5V	The power supply outputs 5V voltage, which is used for digital power supply with driving capacity of 0.1A.
Pin 19 and Pin 20	CV_CC+ CV_CC-	The output between these two pins is used for indicating the working status of power supply; under CV mode, the output between these two pins is 5V; and under CC mode, - 5V.
Pin 21	Voltage Program (Voltage setting)	Output voltage of analog control: In setting the Voltage and 10v, the input analog range should be 0-10V voltage, and the regulated output voltage should be from 0 to full range; In setting the Voltage and 5v, the input analog range should be 0-5V voltage, and the regulated output voltage should be from 0 to full range; In setting the Resistance and 10K, the input analog range should be 0-10K resistance, and the regulated output voltage should be from 0 to full range; In setting the Resistance and 5K, the input analog range should be 0-5K resistance, and the regulated output voltage should be from 0 to full range;
Pin 22	REF_10V	The 10V reference voltage output by the power supply can be connected to a resistance subdivision for analog control.
Pin 23	Current Program (Current Setting)	Output current of analog control: In setting the Voltage and 10v, the input analog range should be 0-10V voltage, and the regulated output current should be from 0 to full range; In setting the Voltage and 5v, the input analog range should be 0-5V voltage, and the regulated output current should be from 0 to full range; In setting the Resistance and 10K, the input analog range should be 0-10K resistance, and the regulated output current should be from 0 to full range; In setting the Resistance and 5K, the input analog range should be 0-5K resistance, and the regulated output current should be from 0 to full range;
Pin 24	Voltage Monitor (Voltage monitoring)	The actual value from monitoring is the corresponding monitor voltage value. For example, when the analog voltage is 10V, power supply control voltage 0~80V and the power supply output voltage 20V, this pin will output 2.5V voltage. Similarly, when the analog voltage is 5V, control voltage 0~80V and the power supply output voltage 20V, this pin will output 1.25V voltage.
Pin 25	Current Monitor (Current monitoring)	The actual value from monitoring is the corresponding monitor voltage value. For example, when the analog voltage is 10V, power supply control current 0~120A and the power supply output current 12A, this pin will output 1V voltage. Similarly, when the analog voltage is 5V, control current 0~120A and the power supply output voltage 12A, this pin will output 0.5V voltage.
Pins 9, 10, 11, 12 and 13	Connection to AGND	Ground wires for analog interfaces (including Pin 21 VPRG, Pin 22 REF_10V, Pin 23 IPRG, Pin 24 VMON, Pin 25 IMON).

Pins 4, 5, 7,8	Internal connection to DGND	Ground wires for Pin 15 EXT ON, Pin 3 SHUT OFF, Pin 16 POWER OK, Pin 17 TrigIN, Pin 6 TrigOUT,Pin 19 CV_CC+ and Pin 20 CV_CC-.

NOTE

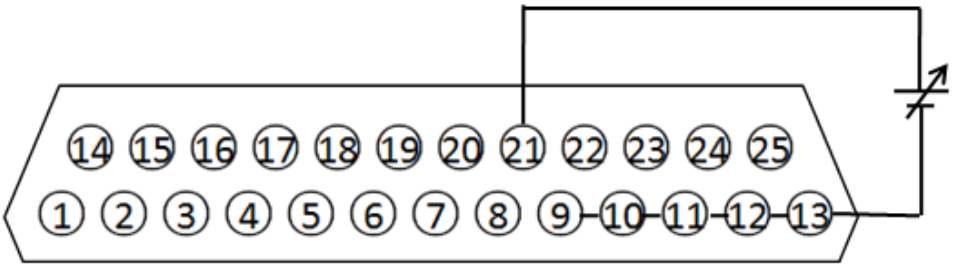
- The value of the output current must be under the definition value of the current which is driving capacity in the DB25 pins of the power supply. Otherwise, the power supply will be damaged.
- The maximum digital signal input voltage ⩽ 5V
- The maximum analog signal input voltage ⩽ 12V

Voltage Setting (Voltage Program)

This function enables change of voltage output through external analog signal by connecting external DC voltage (under voltage mode) or an external resistor (under resistor mode) to Pin 21. To enable this function, the output control should be under the external analog control mode. Used for controlling the external voltage range of full-scale output voltage or the resistor can be selected from 0~5V/0~10V or 0~5KΩ/0~10KΩ. To switch on the voltage setting, open the MENU (Menu) → CONFIG (Configure) → Ext-Ctrl (External Analog Control). Press the Right Key to select Voltage (or Resistance). Press the Up/Down Key to select the voltage mode or resistor mode.

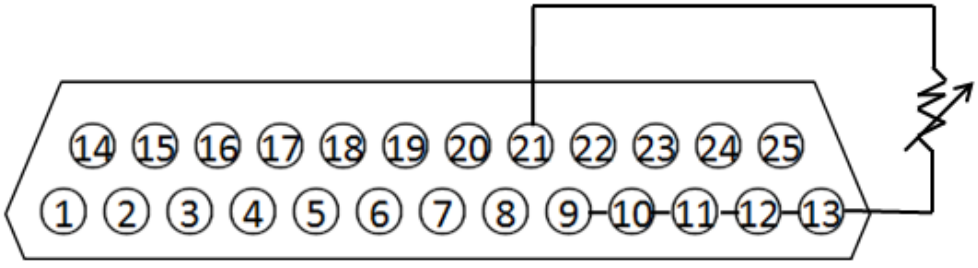
- Voltage Mode

Under voltage mode, the user can set the voltage output value of power supply through Pin 21.



- Resistor Mode

Pin 21 and Pin 13 (GND wire) can be connected to a resistor for setting the output voltage value of the power supply.



To set the 0~5V/0~10V or 0~5KΩ/0~10KΩ external analog setting range, open the MENU (Menu) → CONFIG (Configure) → Ext-Ctrl (External Analog Control). Press the Right Key to select Voltage (or Resistance).
Press the Right Key to select 5V/10V or 5KΩ/10KΩ within the full scale scope.

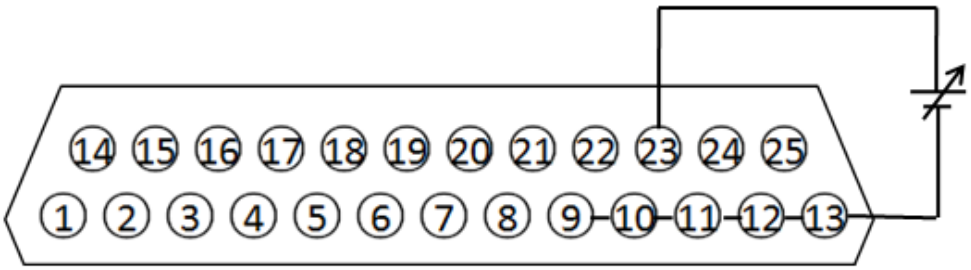
Current Setting (Current Program)

This function enables change of current output through external analog signal by connecting external DC voltage (under voltage mode) or an external resistor (under resistor mode) to Pin 23. To enable this function, the output control

should be under the external analog control mode. Used for controlling the external voltage range of full-scale output voltage or the resistor can be selected from 0~5V/0~10V or 0~5KΩ/0~10KΩ. To switch on the current setting, open the MENU (Menu) → CONFIG (Configure) → Ext-Ctrl (External Analog Control). Press the Right Key to select Voltage (or Resistance). Press the Up/Down Key to select the voltage mode or resistor mode.

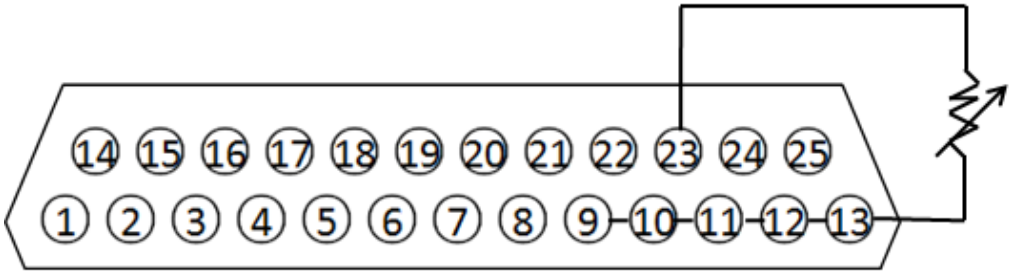
- Voltage Mode

Under the voltage mode, the user can set the voltage output value of the power supply through Pin 23.



- Resistor Mode

Pin 23 and Pin 13 (GND wire) can be connected to a resistor for setting the output voltage value of the power supply.



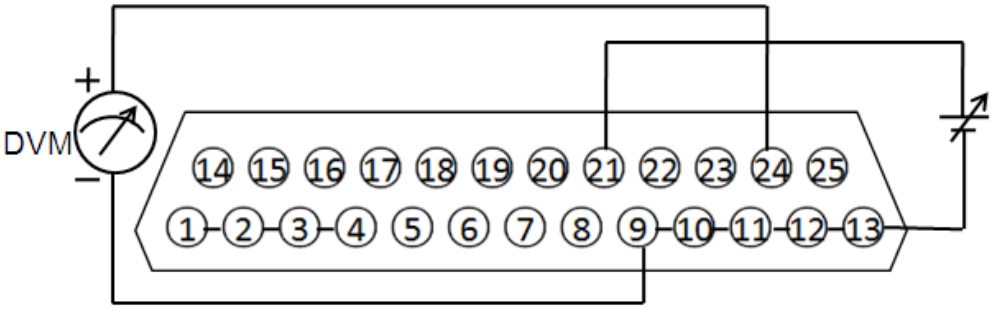
To set the 0~5V/0~10V or 0~5KΩ/0~10KΩexternal analog setting range, open the MENU (Menu) → CONFIG (Configure) → Ext-Ctrl (External Analog Control).
Press the Right Key to select Voltage (or Resistance).
Press the Right Key to select 5V/10V or 5KΩ/10KΩ within the full scale scope.

Voltage monitoring

This function enables monitoring of voltage output via Pin 24 or the GND pin (i.e., Pin 13), which can be connected to a digital voltmeter (DVM). To use this function, the output control should be under the external analog control mode. The output voltage monitoring range (which reflects the power supply output voltage from zero to full scale) can be selected from 0-10V or 0-5V. To switch on the monitoring range setting, open the MENU (Menu) → CONFIG (Configure) → Monitor (External monitor mode). Press the Right Key to select Voltage (or Resistance).

Press the Right Key to select the output voltage monitoring range (0~10V or 0~5V).

The connection setting of digital voltmeter is shown below.

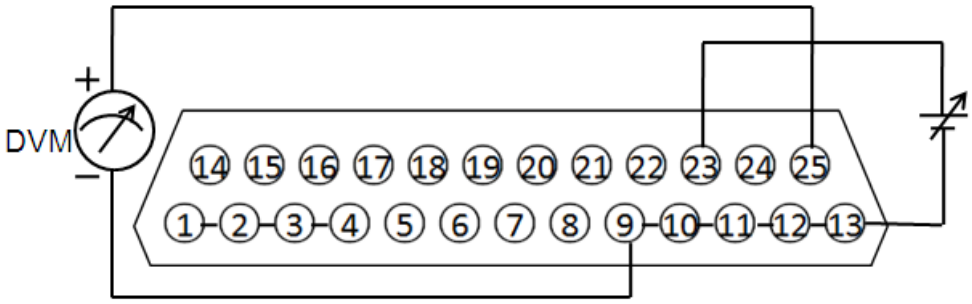


Current monitoring

This function enables monitoring of current output via Pin 25 or the GND pin (i.e., Pin 13), which can be connected to a digital voltmeter (DVM). To use this function, the output control should be under the external analog control mode. The output current monitoring range (which reflects the power supply output current from zero to full scale) can be selected from 0-10V or 0-5V. To switch on the monitoring range setting, open the MENU (Menu) → CONFIG (Configure) →Monitor (External monitor mode).

Press the Right Key to select the output current monitoring range (0~10V or 0~5V).

The connection setting of digital voltmeter is shown below.



Chapter4 Remote Control

IT6500D have five standard communication interfaces: RS232, USB, GPIB, LAN and CAN. The customer can choose any one according to his demands.

4.1 RS232 Interface

Using a cable with two COM ports to connect power supply and PC.Then please press [**Shift**] + [**P-set]** (Menu) button to enter the menu to configure the communication parameters.You could do the secondary development with all SCPI commands.

Note

The setup about RS232 in the program should agree with the configuration in the system set.If you want to change the communication parameters,please press [**Shift**] +[**P-set]** (Menu) button to enter the system set.

RS-232 Data style

RS232 with start bit and stop bit.The start bit and stop bit can not be edited.While you could select the odd parity or even parity under the system set.

Odd or EVEN options have been saved in the nonvolatile memory.

Baudrate

Edit baudrate: press [**Shift**] +[**P-set]** (Menu) to enter the menu setup,you could select the baudrate among the following options:

4800/ 9600/ 19200/ 38400/ 57600/ 115200

RS-232 connection

Please use a straight-through RS232 cable with DB9 interface and connect the RS232 serial port with the controller's serial port(for example.PC). Form 2-2 gives a detailed description for each pin.

RS-232 pins description

Pin	description
1	connectionless
2	TXD,transmit data
3	RXD,receive data
4	connectionless
5	GND
6	connectionless
7	connectionless
8	connectionless
9	connectionless

RS-232 Troubleshooting:

If you meet some problems when communicating with PC by RS232

interface,please check the following items:

- Please check the parameters setting

  PC and power supply must have the same configuration in the following items: baudrate, parity bit,data bit and flow control.Please note that power supply has been configured with a start bit and stop bit(the two values are fixed).

- Check the cable

  Ensure you have used the correct communication cable.Please pay attention that some cable may not have a correct internal wiring even it is with a appropriate DB9 interface.
  The RS232 communication cable should have been connected to a correct serial port of the PC.

Communication Setup

Please ensure the PC and power supply have the same configuration in the following items.

baudrate: 9600(4800, 9600, 19200, 38400, 57600, 115200).You could enter the system menu to set the baudrate.

Data bit: 8

Stop bit: 1

Parity bit: (none, even, odd)

EVEN **8 data bits have even parity**

ODD **8 data bits have odd parity**

NONE **8 data bits have no parity**

Native machine address: (0 ~31, factory default is 0)

Parity= None	Start Bit	8 Data Bits	Stop Bit

4.2 USB Interface

Use a cable with two USB ports to connect power supply and PC.You can program through USB interface to achieve all functions of power supply.

The functions of USB488 interface are as follows:

- Interface is 488.2 USB488 interface
- Receive the following request: REN_CONTROL, GO_TO_LOCAL, and LOCAL_LOCKOUT
- When the interface receives MsgID = TRIGGER USBTMC command,it will transmit the TRIGGER command to the function layer

The functions of power supply's USB488 are as follows:

- receive all SCPI commands
- device is SR1 enabled
- device is RL1 enabled
- device is DT1 enabled

4.3 GPIB Interface

Use a IEEE488 bus to connect GPIB interfaces of power supply and PC.Please ensure that the screws have been screwed down in order to have a full

connection.Then press [**Shift**] +[**P-set]** (Menu) to enter the system menu to set the address.The address range of power supply is 1-30. After you set the address, please press [**Enter**] button to confirm. GPIB address is saved in nonvolatile memory.

4.4 LAN Interface

Press [**Shift**] + [**P-set]** (Menu) button to enter the system set. Please select "LAN" in the Communication from System and then configure Gateway, IP, Mask and SocketPort in the LAN option.

Connect the LAN interface of power supply to the computer with a reticle (crossed). The gateway address should be consistent with that of the PC, and the IP address should be at the same network segment with the PC's IP address.

4.5 CAN Communication Port

There is one DB25 interface at the rear panel, and the pin definition is shown below. The user can use this terminal for PC connection; to activate connection, be sure that the values set in the System menu are same as the corresponding values set in PC.

Note

CAN setting in the program shall be consistent with the one set in the System menu of front panel. To query and change, press the composite key [**Shift**] + [**P-set](Menu)** to enter the setting screen in System menu for query and change. For details, refer to 3.9 System Menu.

Baud Rate

In the front panel [**Shift**] + [**P-set](Menu**), under the System menu, the user can select one Baud rate stored in NVM:
20K|40K|50k|80k|100k|125k|150k|200k|250k|400K|500K|1000K

CAN Pin Definition

Use DB25 interface for connection. CAN interface pin is as follows.

CAN interface pin

Pin No.	Description
1	CANH
14	CANL

CAN Troubleshooting:

If CAN connection fails, check that:

1. The PC and power supply have same Baud rate.
2. Appropriate interface pin or adapter is used, as described in CAN connector.
3. The interface cable is correctly connected (CAN_H to CAN_H, CAN_L to CAN_L).

   Check whether 120 Ω terminal resistance is connected.

Setting Communication

Before running communication, please match the power supply parameters with the PC parameters as shown below.

Baud rate: 10K(20K, 40K, 50K, 80K, 100K, 125K, 200K, 250K, 400K, 500K, 500K). You can enter the System menu through panel and set the

communication Baud rate

Addr. : 1-127

Prescale (Pres): Not settable. Change with Baud rate setting.

PTS (BS1): Not settable. Change with Baud rate setting.

PBS (BS2): Not settable. Change with Baud rate setting.

Baud rate	(Prescale)	PTS	PBS
10k	300	1	6
20k	150	1	6
40K	75	1	6
50K	60	1	6
80K	75	1	1
100K	30	1	6
125K	30	0	5
200K	15	1	6
250K	15	1	5
400K	15	1	1
500K	6	1	6
1000K	3	1	6

Chapter5 Specification

This chapter will introduce the rated voltage, current, power and many other main parameters of IT6500D series.

5.1 Main technical parameters

Parameter		IT6512D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-120A
	Output Power	0-1800W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+60mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+60mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤40ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA

efficiency	80%
Remote Sense Compensation Voltage	3V
Command Response Time	20mS
Power Factor	0.99
Maximum input current[4]	12A
Maximum input apparent power	2300VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	500V
Series Number	≤2
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6522D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-120A
	Output Power	0-3000W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+60mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1% + 30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+60mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%

	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×105.4mmH×640.8mmD	
Weight(net)	17Kg	

Parameter		IT6532D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-240A
	Output Power	0-6KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+120mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+240mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+240mA
	Power	1%+60W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+240mA
	Power	1%+60W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+120mArms
Setup Temperature Coefficient	Voltage	≤0.01%+30mV
	Current	≤0.02%+240mA

(%of Output/℃ +Offset)		
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+240mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×194mmH×640.8mmD	
Weight(net)	35Kg	

Parameter		IT6542D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-360A
	Output Power	0-9KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+180mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+360mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃	Voltage	≤0.05%+30mV
	Current	≤0.2%+360mA

±5℃) ±(%of Output+Offset)	Power	1%+90W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+360mA
	Power	1%+90W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+180mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+360mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+360mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×283.2mmH×640.8mmD	
Weight(net)	53Kg	

Parameter		IT6552D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-480A
	Output Power	0-12KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+240mA

Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+480mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+480mA
	Power	1%+120W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+480mA
	Power	1%+120W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+240mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+480mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+480mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	

Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	119Kg

Parameter		IT6562D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-600A
	Output Power	0-15KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+300mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+600mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+600mA
	Power	1%+150W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+600mA
	Power	1%+150W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+300mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+600mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+600mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+600mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+600mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+600mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+600mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	

Command Response Time	20mS
Power Factor	0.99
Maximum input current[4]	38A
Maximum input apparent power	19000VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	500V
Series Number	≤2
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	137Kg

Parameter		IT6572D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-840A
	Output Power	0-21KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+420mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+840mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+840mA
	Power	1%+210W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+840mA
	Power	1%+210W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+420mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+840mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+840mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min	Voltage	≤0.05%+30mV

(%of Output +Offset)	Current	≤0.1%+840mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	24U	
Weight(net)	180Kg	

Parameter		IT6582D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-960A
	Output Power	0-24KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+480mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+960mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+960mA
	Power	1%+240W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+960mA
	Power	1%+240W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+480mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+960mA
Read Back Temperature	Voltage	≤0.01%+30mV

Coefficient (%of Output/℃ +Offset)	Current	≤0.02%+960mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+960mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+960mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+960mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+960mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	248Kg	

Parameter		IT6592D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-80V
	Output Current	0-1200A
	Output Power	0-30KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+600mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+1200mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃	Voltage	≤0.05%+30mV
	Current	≤0.2%+1200mA

±5℃) ±(%of Output+Offset)	Power	1%+300W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+1200mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+600mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+1200mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+1200mA
Rise time(no load)	Voltage	≤30ms
Rise time(full load)	Voltage	≤30ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	284Kg	

Parameter		IT6513D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-60A
	Power	0-1800W
Line regulation	Voltage	≤0.01%+20mV

±(%of Output+Offset)	Current	≤0.01%+30mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
	Power	≤1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤50mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤40ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
efficiency	89%(30V/60A)-90.5%(200V/9A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	10A	
Maximum input apparent power	2100VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	

Isolation (output to ground)	500V
Series Number	≤2
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6523D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-60A
	Power	0-3000W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+30mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
	Power	≤1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤50mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA

Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
efficiency	89%(50V/60A)-90.5%(200V/15A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×105.4mmH×640.8mmD	
Weight(net)	17Kg	

Parameter		IT6533D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-120A
	Power	0-6KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+60mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
	Power	≤1%+60W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
	Power	≤1%+60W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤100mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms

Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
efficiency	89%(50V/120A)-90.5%(200V/30A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×194mmH×640.8mmD	
Weight(net)	35Kg	

Parameter		IT6543D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-180A
	Power	0-9KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+90mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+180mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
	Power	≤1%+90W
Read Back Accuracy[2]	Voltage	≤0.05%+100mV

(within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Current	≤0.2%+180mA
	Power	≤1%+90W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤150mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
efficiency	89%(50V/180A)-90.5%(200V/45A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×283.2mmH×640.8mmD	
Weight(net)	53Kg	

Parameter		IT6553D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-240A
	Power	0-12KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+120mA
Load regulation	Voltage	≤0.01%+50mV

±(%of Output+Offset)	Current	≤0.05%+240mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
	Power	≤1%+120W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
	Power	≤1%+120W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤200mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
efficiency	89%(50V/240A)-90.5%(200V/60A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to	500V	

ground)	
Series Number	≤2
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	119Kg

Parameter		IT6563D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-300A
	Power	0-15KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+150mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+300mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
	Power	≤1%+150W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
	Power	≤1%+150W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤250mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Readback stability-8h	Voltage	≤0.05%+100mV

(%of Output +Offset)	Current	≤0.2%+300mA
efficiency	89%(50V/300A)-90.5%(200V/75A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)	
Weight(net)	137Kg	

Parameter		IT6573D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-420A
	Power	0-21KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+210mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+420mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
	Power	≤1%+210W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
	Power	≤1%+210W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤350mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms

Transient Response Time	≤2ms	
AC Input[3]	Voltage	380V±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
efficiency	89%(50V/420A)-90.5%(200V/105A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	24U	
Weight(net)	180Kg	

Parameter		IT6583D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-480A
	Power	0-24KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+240mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+480mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
	Power	≤1%+240W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
	Power	≤1%+240W

Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤400mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380V±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
efficiency	89%(50V/480A)-90.5%(200V/120A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	248Kg	

Parameter		IT6593D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-200V
	Current	0-600A
	Power	0-30KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+300mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+600mA
Setup Resolution	Voltage	10mV
	Current	100mA

	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
	Power	≤1%+300W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
	Power	≤1%+300W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤500mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Rise time(no load)	Voltage	≤100ms
Rise time(full load)	Voltage	≤100ms
Fall time(no load)	Voltage	≤200ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380V±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
efficiency	89%(50V/600A)-90.5%(200V/150A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Series Number	≤2	
Parallel Number	≤8	
Working temperature	0-40℃	

Dimension (mm)	550mmW×1289.3mmH×834.8mmD
Weight(net)	284Kg

Parameter		IT6514D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-30A
	Output Power	0-1800W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+15mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+30mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤140ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	

Maximum input current[4]	12A
Maximum input apparent power	2300VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	500V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6524D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-30A
	Output Power	0-3000W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+15mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+30mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Readback	Voltage	≤0.05%+135mV

stability-30min (%of Output +Offset)	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×105.4mmH×640.8mmD	
Weight(net)	17Kg	

Parameter		IT6534D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-60A
	Output Power	0-6KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+30mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+60mA
	Power	1%+60W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+60mA
	Power	1%+60W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+60mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+60mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+60mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms

Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×194mmH×640.8mmD	
Weight(net)	35Kg	

Parameter		IT6544D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-90A
	Output Power	0-9KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+45mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+90mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+90mA
	Power	1%+90W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+90mA
	Power	1%+90W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+90mArms
Setup Temperature	Voltage	≤0.01%+135mV

Coefficient (%of Output/℃ +Offset)	Current	≤0.02%+90mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+90mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×283.2mmH×640.8mmD	
Weight(net)	53Kg	

Parameter		IT6554D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-120A
	Output Power	0-12KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+60mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W

Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+120mA
	Power	1%+120W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+120mA
	Power	1%+120W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+120mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+120mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+120mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+120mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+120mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+120mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+120mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)	
Weight(net)	119Kg	

Parameter		IT6564D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-150A
	Output Power	0-15KW

Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+75mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+150mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+150mA
	Power	1%+150W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+150mA
	Power	1%+150W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+150mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+150mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+150mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to	500V	

ground)	
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	137Kg

Parameter		IT6574D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-210A
	Output Power	0-21KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+105mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+210mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+210mA
	Power	1%+210W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+210mA
	Power	1%+210W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+210mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+210mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+210mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380V±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+210mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+210mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+210mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+210mA
efficiency	80%	
Remote Sense	3V	

Compensation Voltage	
Command Response Time	20mS
Power Factor	0.99
Maximum input current[4]	57A
Maximum input apparent power	26600VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	500V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	24U
Weight(net)	180Kg

Parameter		IT6584D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-240A
	Output Power	0-24KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+120mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+240mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+240mA
	Power	1%+240W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+240mA
	Power	1%+240W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+240mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+240mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+240mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380V±10%(Three-phase five wires)
	Frequency	47Hz-63Hz

Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	248Kg	

Parameter		IT6594D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-360V
	Output Current	0-300A
	Output Power	0-30KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+150mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+300mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+300mA
	Power	1%+300W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+300mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+300mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+300mA
Read Back Temperature	Voltage	≤0.01%+135mV

Coefficient (%of Output/℃ +Offset)	Current	≤0.02%+300mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤850ms
Fall time(full load)	Voltage	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380V±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+300mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+300mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+300mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+135mV
	Current	≤0.1%+300mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	284Kg	

Parameter		IT6515D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-20A
	Power	0-1800W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+10mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+20mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA

±(%of Output+Offset)	Power	≤1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤40mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤60ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
efficiency	90%(150V/20A)-93%(500V/6A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	10A	
Maximum input apparent power	2100VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×105.4mmH×640.8mmD	
Weight(net)	17Kg	

Parameter		IT6525D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-20A
	Power	0-3000W
Line regulation	Voltage	≤0.01%+50mV

±(%of Output+Offset)	Current	≤0.01%+10mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+20mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤40mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
efficiency	90%(150V/20A)-93%(500V/6A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	

standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	500V
Parallel Number	8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6535D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-40A
	Power	0-6KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+20mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+40mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+40mA
	Power	≤1%+60W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+40mA
	Power	≤1%+60W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤80mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Readback	Voltage	≤0.03%+100mV

stability-30min (%of Output +Offset)	Current	≤0.1%+60mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
efficiency	90%(150V/40A)-93%(500V/12A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×194mmH×640.8mmD	
Weight(net)	35Kg	

Parameter		IT6545D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-60A
	Power	0-9KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+30mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+60mA
	Power	≤1%+90W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+60mA
	Power	≤1%+90W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤120mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Rise time(no load)	Voltage	≤200ms

Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
efficiency	90%(150V/60A)-93%(500V/18A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×283.2mmH×640.8mmD	
Weight(net)	53Kg	

Parameter		IT6555D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-80A
	Power	0-12KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+40mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+80mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+80mA
	Power	≤1%+120W

Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+80mA
	Power	≤1%+120W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤160mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
efficiency	90%(150V/80A)-93%(500V/24A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)	
Weight(net)	119Kg	

Parameter		IT6565D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-100A
	Power	0-15KW
Line regulation	Voltage	≤0.01%+50mV

±(%of Output+Offset)	Current	≤0.01%+50mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+100mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+100mA
	Power	≤1%+150W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.03%+200mV
	Current	≤0.2%+100mA
	Power	≤1%+150W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤200mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
efficiency	90%(150V/100A)-93%(500V/30A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	

standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	500V
Parallel Number	8
Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	137Kg

Parameter		IT6575D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-140A
	Power	0-21KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+70mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+140mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+140mA
	Power	≤1%+210W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+140mA
	Power	≤1%+210W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤280mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Readback	Voltage	≤0.03%+100mV

stability-30min (%of Output +Offset)	Current	≤0.1%+210mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
efficiency	90%(150V/1400A)-93%(500V/42A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	24U	
Weight(net)	180Kg	

Parameter		IT6585D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-160A
	Power	0-24KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+80mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+160mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+160mA
	Power	≤1%+240W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+160mA
	Power	≤1%+240W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤320mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Rise time(no load)	Voltage	≤200ms

Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
efficiency	90%(150V/160A)-93%(500V/48A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	248Kg	

Parameter		IT6595D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-500V
	Current	0-200A
	Power	0-30KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+100mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+200mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+200mA
	Power	≤1%+300W

Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+200mA
	Power	≤1%+300W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤400mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Rise time(no load)	Voltage	≤200ms
Rise time(full load)	Voltage	≤200ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	≤2ms	
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
efficiency	90%(150V/200A)-93%(500V/60A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	500V	
Parallel Number	8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	284Kg	

Parameter		IT6516D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-15A
	Power	0-1800W
Line regulation	Voltage	≤0.01%+75mV

±(%of Output+Offset)	Current	≤0.1%+7.5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+15mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤30mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤40ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
efficiency	91.5%(200V/15A)-93.5%(750V/4A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	10A	
Maximum input apparent power	2000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	

standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	750V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6526D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-15A
	Power	0-3000W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+7.5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+15mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤30mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback	Voltage	≤0.03%+100mV

stability-30min (%of Output +Offset)	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
efficiency	91.5%(200V/15A)-93.5%(750V/4A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	750V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×105.4mmH×640.8mmD	
Weight(net)	17Kg	

Parameter		IT6536D Version: V1.3
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-30A
	Power	0-6KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+15mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+30mA
	Power	≤1%+60W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+30mA
	Power	≤1%+60W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤60mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Rise time(no load)	Voltage	≤250ms

Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time		≤3.5ms
AC Input	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
efficiency		91.5%(200V/30A)-93.5%(750V/8A)
Remote Sense Compensation Voltage		5V
Command Response Time		20mS
Power Factor		0.99
Maximum input current		38A
Maximum input apparent power		7600VA
Storage temperature		-10℃ -70℃
Protective function		OVP, OCP, OPP, OTP, Vsense reversed protect
standard Interface		USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)		750V
Parallel Number		≤8
Working temperature		0-40℃
Dimension (mm)		483mmW×194mmH×640.8mmD
Weight(net)		35Kg

Parameter		IT6546D Version: V1.3
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-45A
	Power	0-9KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+22.5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+45mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+45mA
	Power	≤1%+90W
Read Back Accuracy	Voltage	≤0.05%+300mV

(within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Current	≤0.2%+45mA
	Power	≤1%+90W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤90mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
efficiency	91.5%(200V/45A)-93.5%(750V/12A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	750V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×283.2mmH×640.8mmD	
Weight(net)	53Kg	

Parameter		IT6556D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-60A
	Power	0-12KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+30mA
Load regulation	Voltage	≤0.01%+200mV

±(%of Output+Offset)	Current	≤0.05%+60mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+60mA
	Power	≤1%+120W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+60mA
	Power	≤1%+120W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤120mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
efficiency	91.5%(200V/60A)-93.5%(750V/16A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	750V	
Parallel Number	≤8	

Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	119Kg

Parameter		IT6566D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-75A
	Power	0-15KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+37.5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+75mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+75mA
	Power	≤1%+150W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+75mA
	Power	≤1%+150W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤150mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
efficiency	91.5%(200V/75A)-93.5%(750V/20A)	

Remote Sense Compensation Voltage	5V
Command Response Time	20mS
Power Factor	0.99
Maximum input current	38A
Maximum input apparent power	19000VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	750V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	137Kg

Parameter		IT6576D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-105A
	Power	0-21KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+52.5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+105mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+105mA
	Power	≤1%+210W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+105mA
	Power	≤1%+210W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤210mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	

AC Input	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
efficiency	91.5%(200V/105A)-93.5%(750V/28A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	750V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	24U	
Weight(net)	180Kg	

Parameter		IT6586D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-120A
	Power	0-24KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+60mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+120mA
	Power	≤1%+240W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+120mA
	Power	≤1%+240W
Ripple	Voltage	≤750mVp-p

(20Hz -20MHz)	Current	≤240mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
efficiency	91.5%(200V/120A)-93.5%(750V/32A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	750V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	248Kg	

Parameter		IT6596D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Voltage	0-750V
	Current	0-150A
	Power	0-30KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+75mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+150mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV

	Current	10mA
	Power	0.1W
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+150mA
	Power	≤1%+300W
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+150mA
	Power	≤1%+300W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤300mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Rise time(no load)	Voltage	≤250ms
Rise time(full load)	Voltage	≤250ms
Fall time(no load)	Voltage	≤250ms
Fall time(full load)	Voltage	≤20ms
Transient Response Time	≤3.5ms	
AC Input	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
efficiency	91.5%(200V/150A)-93.5%(750V/40A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP, Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	750V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	284Kg	

Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-10A
	Output Power	0-1800W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+10mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+10mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+10mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+10mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤60ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	12A	
Maximum input apparent power	2300VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	

standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	1000V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6527D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-10A
	Output Power	0-3000W
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+10mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+10mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+10mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+10mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA

efficiency	80%
Remote Sense Compensation Voltage	3V
Command Response Time	20mS
Power Factor	0.99
Maximum input current[4]	19A
Maximum input apparent power	3800VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	1000V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	483mmW×105.4mmH×640.8mmD
Weight(net)	17Kg

Parameter		IT6537D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-20A
	Output Power	0-6KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+10mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+20mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+20mA
	Power	1%+60W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+20mA
	Power	1%+60W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+20mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+20mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+20mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220Vac±10%
	Frequency	47Hz-63Hz

Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×194mmH×640.8mmD	
Weight(net)	35Kg	

Parameter		IT6547D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-30A
	Output Power	0-9KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+15mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+30mA
	Power	1%+90W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+30mA
	Power	1%+90W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+30mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+30mA
Read Back Temperature	Voltage	≤0.01%+375mV

Coefficient (%of Output/℃ +Offset)	Current	≤0.02%+30mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	220V±10%
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+30mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+30mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+30mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+30mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	483mmW×283.2mmH×640.8mmD	
Weight(net)	53Kg	

Parameter		IT6557D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-40A
	Output Power	0-12KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+20mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+40mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+40mA
	Power	1%+120W
Read Back Accuracy[2]	Voltage	≤0.05%+375mV

(within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Current	≤0.2%+40mA
	Power	1%+120W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+40mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+40mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+40mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)	
Weight(net)	119Kg	

Parameter		IT6567D Version: V1.3
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-50A
	Output Power	0-15KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+25mA
Load regulation	Voltage	≤0.01%+375mV

±(%of Output+Offset)	Current	≤0.05%+50mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+50mA
	Power	1%+150W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+50mA
	Power	1%+150W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+50mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+50mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+50mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	
Parallel Number	≤8	
Working temperature	0-40℃	

Dimension (mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight(net)	137Kg

Parameter		IT6577D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-70A
	Output Power	0-21KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+35mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+70mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+70mA
	Power	1%+210W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+70mA
	Power	1%+210W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+70mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+70mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+70mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+70mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+70mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+70mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+70mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	

Maximum input current[4]	57A
Maximum input apparent power	26600VA
Storage temperature	-10℃ -70℃
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation (output to ground)	1000V
Parallel Number	≤8
Working temperature	0-40℃
Dimension (mm)	24U
Weight(net)	180Kg

Parameter		IT6587D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-80A
	Output Power	0-24KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+40mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+80mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+80mA
	Power	1%+240W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+80mA
	Power	1%+240W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+80mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+80mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+80mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA

Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	248Kg	

Parameter		IT6597D Version: V1.4
Output Rating (0 ℃ -40 ℃)	Output Voltage	0-1000V
	Output Current	0-100A
	Output Power	0-30KW
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+50mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+100mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+100mA
	Power	1%+300W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+100mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+100mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+100mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+100mA
Rise time(no load)	Voltage	≤300ms
Rise time(full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms

Fall time(full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz-63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current[4]	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ -70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	
Parallel Number	≤8	
Working temperature	0-40℃	
Dimension (mm)	550mmW×1289.3mmH×834.8mmD	
Weight(net)	284Kg	

Parameter		IT6597D V1.3
Output Rating (0 ℃ -40 ℃)	Output Voltage	0~1000V
	Output Current	0~100A
	Output Power	0~30KW
Line regulation	Voltage	≤0.01%+100mV

±(%of Output+Offset)	Current	≤0.01%+50mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+50mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy[1] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+100mA
	Power	1%+300W
Read Back Accuracy[2] (within 12 months, 25℃ ±5℃) □(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+100mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤1Vp-p
	Current	≤0.05%+100mArms
Setup Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+100mA
Read Back Temperature Coefficient (%of Output/℃ +Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+100mA
Rise time(no load)	Voltage	≤300ms
Rise time(Full load)	Voltage	≤300ms
Fall time(no load)	Voltage	≤350ms
Fall time(Full load)	Voltage	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input[3]	Voltage	380Vac±10%(Three-phase five wires)
	Frequency	47Hz~63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Setup stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Readback stability-30min (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Readback stability-8h (%of Output +Offset)	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time (Typical)	20mS	
Power Factor	0.99	
Maximum input current[4]	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10℃ ~70℃	
Protective function	OVP, OCP, OPP, OTP,Vsense reversed protect	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation (output to ground)	1000V	

Parallel Number	**≤8**
Working temperature	**0~40℃**
Dimension (mm)	**550mmW×1289.3mmH×834.8mmD**
Weight(net)	**284Kg**

The above specifications may be subject to change without prior notice.

1.Set value accuracy means the set accuracy realized through the panel button or communication instructions. When external analog is used for programming, the programming accuracy is 1%.

2.Read-back value accuracy means the read-back accuracy realized through panel display or communication instructions; when external analog is used for monitoring, the monitoring accuracy is 1%.

3.In usage, to balance power of each phase, distribute the instrument to three phases. However, ensure that single machine input voltage meets Specification requirements.

4.It means the maximum phase current value under minimum work input voltage.

5.2 Supplemental characteristics

- State storage capacity
  100 sets
- Recommended calibration frequency
  once a year
- Cooling style
  fans

Appendix

Specifications of Red and Black Test Lines

ITECH provides you with optional red and black test lines, which individual sales and you can select for test. For specifications of ITECH test lines and maximum current values, refer to the table below.

Model	Specification	Cross section	Length
IT-E301/10A	10A	-	1m
IT-E301/30A	30A	6mm^2	1.2m
IT-E301/30A	30A	6mm^2	2m
IT-E301/60A	60A	20mm^2	1.5m
IT-E301/120A	120A	50mm^2	2m
IT-E301/240A	240A	70mm^2	1m
IT-E301/240A	240A	70mm^2	2m
IT-E301/360A	360A	95mm^2	2m

For maximum current of AWG copper wire, refer to table blow.

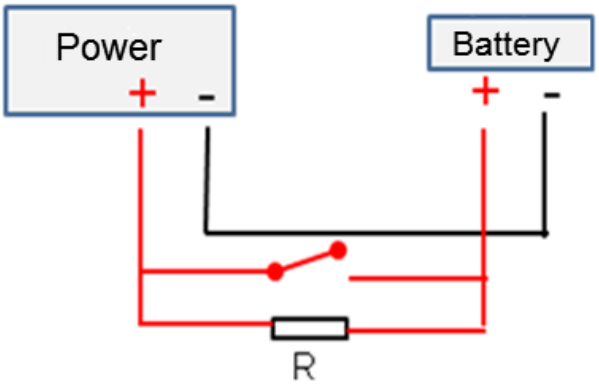
AWG	10	12	14	16	18	20	22	24	26	28
The Maximum current value(A)	40	25	20	13	10	7	5	3.5	2.5	1.7

Note: AWG (American Wire Gage), it means X wire (marked on the wire). The table above lists current capacity of single wire at working temperature of 30°C. For reference only.

How to avoid it couldn't start when test battery

When test battery, the main reason of no start is that battery (residual voltage) discharges capacitors of positive and negitive terminals of the power supply.

Method to avoid no start: connect a switch which is parrallel with a current limiting discharging resistor. Close the switch after all the all leads connected well. The wiring diagram as follows:



Contact US

Thank you for purchasing ITECH products. If you have any doubt about this product, please contact us as follow.

1. Please refer to the CD-ROM of related user’s manual in package.
2. Visit ITECH website www.itechate.com .
3. Select the most convenient contact for further consultation.