

## Product

IT6000D High Power Programmable  
DC Power Supply



***More Flexible  
Various Application***



# **IT6000D Series High Power Programmable DC Power Supply**

## APPLICATIONS

- Aviation testing
- High voltage UPS
- On-board charger
- Data Center
- Telecommunication power
- Server power supply
- Solar panel

*Your Power Testing Solution*



# IT6000 Series

## High Power Programmable DC Power Supply



IT6000D, single channel output programmable DC power supply, is applicable in laboratories and automatic test system to provide high-power and stable DC supply. The feature of autoranging output enables a wide range of voltage and current combinations at full power, unprecedentedly flexible.

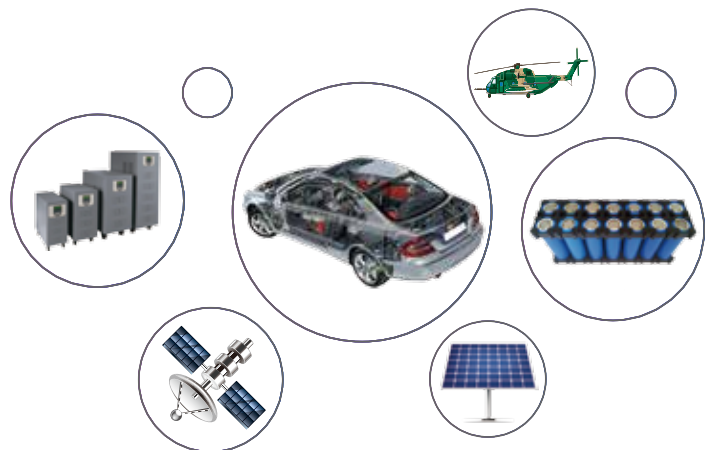
IT6000D Series has wide range of applications and its single unit provides power range of 6kW to 144kW, current up to 2040A, as well as its voltage up to 2250V. Besides, IT6000D provides multi built-in communication interfaces to simplify and accelerate the testing development. The compact 3U design saves rack space. Multi units of the same model can be paralleled easily to have higher power and the maximum power can reach up to 1.152 MW.

### Features

- Single unit provides voltage of 80V-2250V, current of 30-2040A, power of 6kW -144kW, and 73 standard models are available
- Master-slave parallel, the power can be paralleled up to 1.152 MW
- Current is up to 2040A by paralleling
- The adoption of high frequency switching structure supports the automatic switching between CV and CC
- Provides various protections: OVP, OCP, OPP, OTP, protection of power failure and UVP
- Supports data recording function, can continuously record the
- Power efficiency up to 95%
- Max, Min, Average values of output voltage and current, and it can automatically execute data by sequence
- High power density of 18kW in 3U
- Supports external data recording function, internal buffering, and the PC will periodically read data from the power supply, the shortest interval of sampling is 10μs
- Built-in communication interfaces of USB/CAN/LAN/Digital IO, and optional interfaces of GPIB, Analog and RS232
- Supports SCPI protocol, built-in Web server

### Applications

- Aviation testing
- Data center
- Server power supply
- High voltage UPS
- Telecommunications power
- Solar battery panels
- On-board-charger
- Battery pack
- Energy storage system
- Electrical vehicle charging station
- Fuel battery
- Automatic Test Equipment
- High precision electroplating, Sputtering, surface treatment



# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### 3U/18kW High power density

High power density of 18kW in 3U size, IT6000D series DC power supply has good capability of low output ripple and noise, power grid disturbance adjustment, load regulation and fast transient response. Standalone unit with voltage range of 80V-2250V, current of 30A-510A. Its wide range allows the devices to be used in every testing step of R&D, products testing and production.

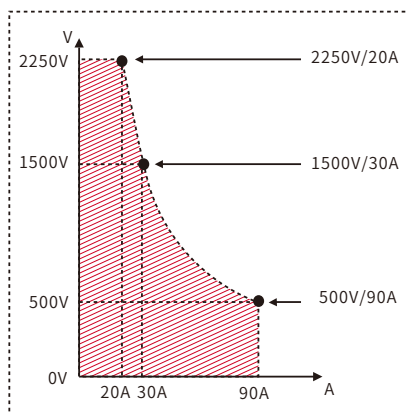
### CC & CV priority

IT6000D series keep the CC/CV priority function, which fit different application requests such as fast speed or no overshoot, making the whole test more convenient.

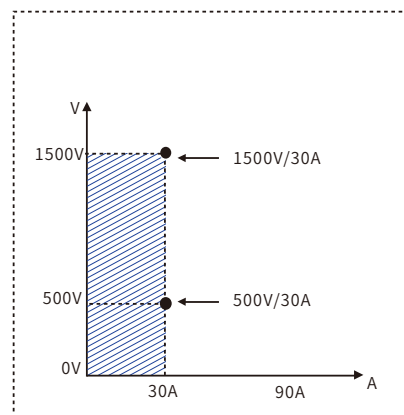
Users can choose CC/CV loop response time and loop working mode to decide the output to be voltage high speed mode or current no overshoot mode. This unique function makes it suitable for the application of high power integrated circuit test, charging and discharging test, military and transient simulation test of automotive electronics etc.

### Output features

Comparing with the conventional design, the IT6000D has much better output range to satisfy various requirement. Featured as its wide auto range output, it can cover more applications. One standalone unit equals to 3-5 traditional power supplies and 3 units equals to 10-13 traditional power supplies. This makes it easier to build a system and save space at the same time.



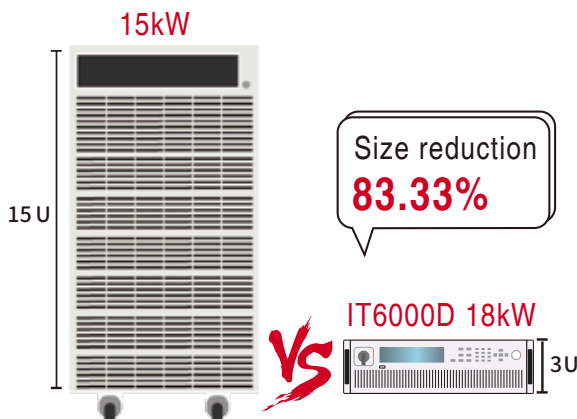
CP curve of IT6000D



Output feature of conventional power supply



### Technology upgraded



**V** Voltage is extended to 187.5%

**W** Power is extended to 1152%

**η** Power efficiency is increased to 95%

**♻️** Size is reduced to 1/6

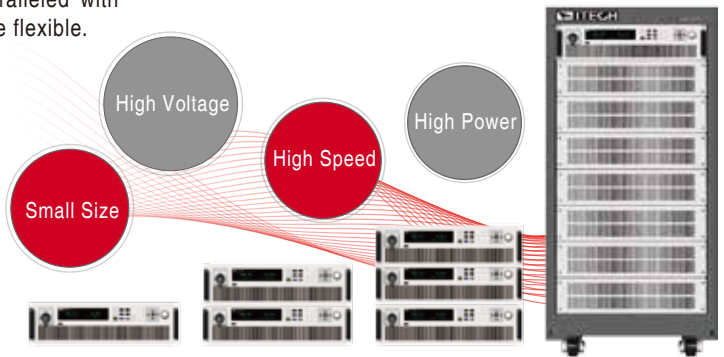
# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### Master-slave parallel operation

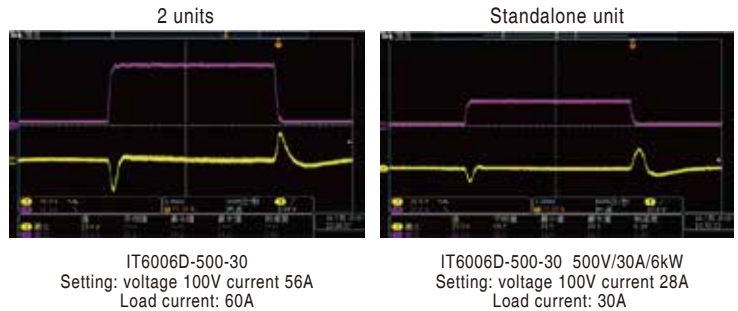
When the higher power is required, IT6000D series can be paralleled with several same model units. The system will be built faster and more flexible.

- Parallel unit up to 64 units
- Master / Slave parallel operation up to 1.152MW
- Parallel current up to 2040A
- Smart Master / Slave mode make the parallel connection easy and fast
- High power density for standalone unit and parallel connection
- Precise synchronization to ensure the whole power system synchronization after parallel connection.

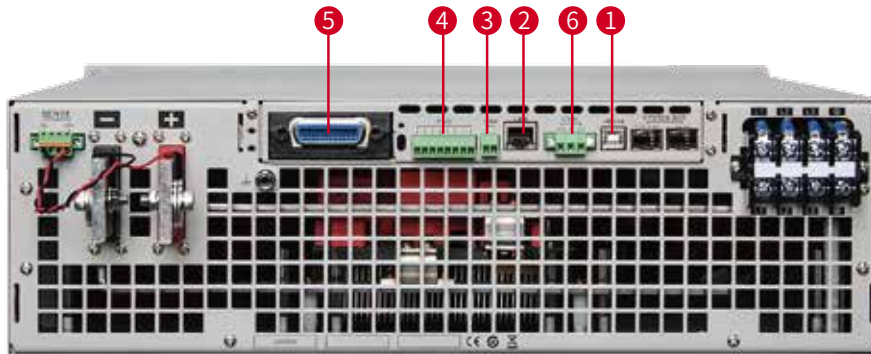


### Patented parallel technology

- IT6000 has adopted ITECH patented parallel technology
- All the function and performance will be the same as standalone unit
- No need to calibrate after paralleling
- Fiber transmission, good for anti-interference
- Digital paralleling, fully insulated, good for protecting DUT



### Multiple interfaces



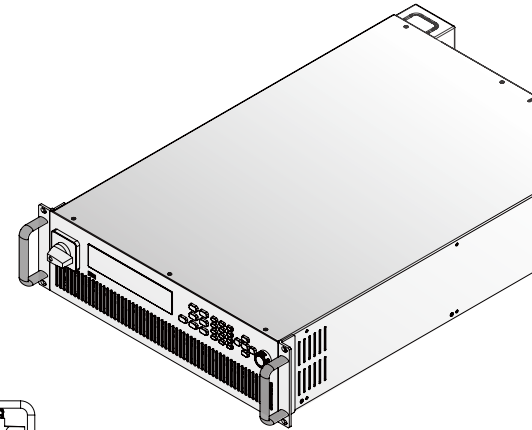
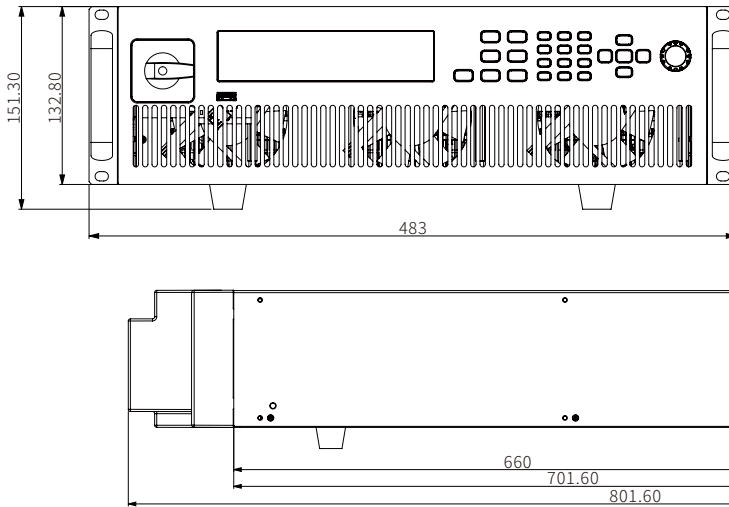
|                                 |                                 |                                 |                                 |                                   |                               |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------------|-------------------------------|
| <b>1</b> Standard USB interface | <b>2</b> Standard LAN interface | <b>3</b> Standard CAN interface | <b>4</b> Standard I/O interface | <b>5</b> Optional GPIB* interface | <b>6</b> Main input interface |
|                                 |                                 |                                 |                                 |                                   |                               |

\* Optional GPIB or Optional RS232 & Analog

# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### 3U/18kW Standalone unit dimension



(Unit:mm)

### Specification

|     | Model           | Current | Power |      | Model            | Current | Power |      | Model           | Current | Power |
|-----|-----------------|---------|-------|------|------------------|---------|-------|------|-----------------|---------|-------|
| 80V | IT6006D-80-170  | 170A    | 6kW   | 200V | IT6006D-200-70   | 70A     | 6kW   | 360V | IT6006D-360-40  | 40A     | 6kW   |
|     | IT6012D-80-340  | 340A    | 12kW  |      | IT6012D-200-140  | 140A    | 12kW  |      | IT6012D-360-80  | 80A     | 12kW  |
|     | IT6018D-80-510  | 510A    | 18kW  |      | IT6018D-200-210  | 210A    | 18kW  |      | IT6018D-360-120 | 120A    | 18kW  |
|     | IT6036D-80-1020 | 1020A   | 36kW  |      | IT6036D-200-420  | 420A    | 36kW  |      | IT6036D-360-240 | 240A    | 36kW  |
|     | IT6054D-80-1530 | 1530A   | 54kW  |      | IT6054D-200-630  | 630A    | 54kW  |      | IT6054D-360-360 | 360A    | 54kW  |
|     | IT6072D-80-2040 | 2040A   | 72kW  |      | IT6072D-200-840  | 840A    | 72kW  |      | IT6072D-360-480 | 480A    | 72kW  |
|     | IT6090D-80-2040 | 2040A   | 90kW  |      | IT6090D-200-1050 | 1050A   | 90kW  |      | IT6090D-360-600 | 600A    | 90kW  |
|     | IT6108D-80-2040 | 2040A   | 108kW |      | IT6108D-200-1260 | 1260A   | 108kW |      | IT6108D-360-720 | 720A    | 108kW |
|     | IT6126D-80-2040 | 2040A   | 126kW |      | IT6126D-200-1470 | 1470A   | 126kW |      | IT6126D-360-840 | 840A    | 126kW |
|     | IT6144D-80-2040 | 2040A   | 144kW |      | IT6144D-200-1680 | 1680A   | 144kW |      | IT6144D-360-960 | 960A    | 144kW |

|      | Model           | Current | Power |      | Model           | Current | Power |       | Model            | Current | Power |
|------|-----------------|---------|-------|------|-----------------|---------|-------|-------|------------------|---------|-------|
| 500V | IT6006D-500-30  | 30A     | 6kW   | 800V | IT6006D-800-20  | 20A     | 6kW   | 1500V | IT6018D-1500-30  | 30A     | 18kW  |
|      | IT6012D-500-60  | 60A     | 12kW  |      | IT6012D-800-40  | 40A     | 12kW  |       | IT6036D-1500-60  | 60A     | 36kW  |
|      | IT6018D-500-90  | 90A     | 18kW  |      | IT6018D-800-60  | 60A     | 18kW  |       | IT6054D-1500-90  | 90A     | 54kW  |
|      | IT6036D-500-180 | 180A    | 36kW  |      | IT6036D-800-120 | 120A    | 36kW  |       | IT6072D-1500-120 | 120A    | 72kW  |
|      | IT6054D-500-270 | 270A    | 54kW  |      | IT6054D-800-180 | 180A    | 54kW  |       | IT6090D-1500-150 | 150A    | 90kW  |
|      | IT6072D-500-360 | 360A    | 72kW  |      | IT6072D-800-240 | 240A    | 72kW  |       | IT6108D-1500-180 | 180A    | 108kW |
|      | IT6090D-500-450 | 450A    | 90kW  |      | IT6090D-800-300 | 300A    | 90kW  |       | IT6126D-1500-210 | 210A    | 126kW |
|      | IT6108D-500-540 | 540A    | 108kW |      | IT6108D-800-360 | 360A    | 108kW |       | IT6144D-1500-240 | 240A    | 144kW |
|      | IT6126D-500-630 | 630A    | 126kW |      | IT6126D-800-420 | 420A    | 126kW |       |                  |         |       |
|      | IT6144D-500-720 | 720A    | 144kW |      | IT6144D-800-480 | 480A    | 144kW |       |                  |         |       |

|       | Model           | Current | Power |       | Model            | Current | Power |       | Model            | Current | Power |
|-------|-----------------|---------|-------|-------|------------------|---------|-------|-------|------------------|---------|-------|
| 2250V | IT6018D-2250-20 | 20A     | 18kW  | 2250V | IT6072D-2250-80  | 80A     | 72kW  | 2250V | IT6126D-2250-140 | 140A    | 126kW |
|       | IT6036D-2250-40 | 40A     | 36kW  |       | IT6090D-2250-100 | 100A    | 90kW  |       | IT6144D-2250-160 | 160A    | 144kW |
|       | IT6054D-2250-60 | 60A     | 54kW  |       | IT6108D-2250-120 | 120A    | 108kW |       |                  |         |       |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.

# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### Specification

|                                                                             |                | IT6006D-80-170                             | IT6006D-200-70                             | IT6006D-360-40                             |
|-----------------------------------------------------------------------------|----------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Rated Value Range<br>(0℃~40℃)                                               | Output Voltage | 0 ~ 80V                                    | 0 ~ 200V                                   | 0 ~ 360V                                   |
|                                                                             | Output Current | 0 ~ 170A                                   | 0 ~ 70A                                    | 0 ~ 40A                                    |
|                                                                             | Output Power   | 0 ~ 6kW                                    | 0 ~ 6kW                                    | 0 ~ 6kW                                    |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤ 0.01% + 8mV                              | ≤ 0.01% + 20mV                             | ≤ 0.01% + 36mV                             |
|                                                                             | Current        | ≤ 0.05% + 85mA                             | ≤ 0.05% + 35mA                             | ≤ 0.05% + 20mA                             |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤ 0.02% + 24mV                             | ≤ 0.02% + 60mV                             | ≤ 0.02% + 108mV                            |
|                                                                             | Current        | ≤ 0.05% + 85mA                             | ≤ 0.05% + 35mA                             | ≤ 0.05% + 20mA                             |
| Programming Resolution                                                      | Voltage        | 0.001V                                     | 0.01V                                      | 0.01V                                      |
|                                                                             | Current        | 0.01A                                      | 0.001A                                     | 0.001A                                     |
|                                                                             | power          | 0.1W                                       | 0.1W                                       | 0.1W                                       |
| ReadBack Resolution                                                         | Voltage        | 0.001V                                     | 0.01V                                      | 0.01V                                      |
|                                                                             | Current        | 0.01A                                      | 0.001A                                     | 0.001A                                     |
|                                                                             | power          | 0.1W                                       | 0.1W                                       | 0.1W                                       |
| Programming Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset) | Voltage        | ≤ 0.05% + 40mV                             | ≤ 0.05% + 100mV                            | ≤ 0.05% + 180mV                            |
|                                                                             | Current        | ≤ 0.1% + 170mA                             | ≤ 0.1% + 70mA                              | ≤ 0.1% + 40mA                              |
|                                                                             | Power          | ≤ 0.5% + 30W                               | ≤ 0.5% + 30W                               | ≤ 0.5% + 30W                               |
| ReadBack Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset)    | Voltage        | ≤ 0.05% + 40mV                             | ≤ 0.05% + 100mV                            | ≤ 0.05% + 180mV                            |
|                                                                             | Current        | ≤ 0.1% + 170mA                             | ≤ 0.1% + 70mA                              | ≤ 0.1% + 40mA                              |
|                                                                             | Power          | ≤ 0.5% + 30W                               | ≤ 0.5% + 30W                               | ≤ 0.5% + 30W                               |
| Ripple<br>(20Hz ~20MHz)                                                     | Voltage        | ≤ 80mVpp                                   | ≤ 200mVpp                                  | ≤ 360mVpp                                  |
|                                                                             | Current        | ≤ 0.05% + 85mA Arms                        | ≤ 0.05% + 35mA Arms                        | ≤ 0.05% + 20mA Arms                        |
| Rise Time (no load)                                                         | Voltage        | ≤ 15ms                                     | ≤ 15ms                                     | ≤ 15ms                                     |
| Rise Time(full load)                                                        | Voltage        | ≤ 30ms                                     | ≤ 30ms                                     | ≤ 30ms                                     |
| Fall Time (full load)                                                       | Voltage        | ≤ 1s                                       | ≤ 1s                                       | ≤ 1s                                       |
| Fall Time (full load)                                                       | Voltage        | ≤ 100ms                                    | ≤ 100ms                                    | ≤ 100ms                                    |
| Dynamic Response Time                                                       | Voltage        | ≤ 2ms                                      | ≤ 2ms                                      | ≤ 2ms                                      |
|                                                                             | voltage        | 380V±10% (three phase four wire)           | 380V±10% (three phase four wire)           | 380V±10% (three phase four wire)           |
| AC Input                                                                    | Frequency      | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                |
| Setup Stability-30min<br>(% of Output +Offset)                              | Voltage        | ≤ 0.05% + 40mV                             | ≤ 0.05% + 100mV                            | ≤ 0.05% + 180mV                            |
|                                                                             | Current        | ≤ 0.1% + 170mA                             | ≤ 0.1% + 70mA                              | ≤ 0.1% + 40mA                              |
| Setup Stability-8h<br>(% of Output +Offset)                                 | Voltage        | ≤ 0.05% + 40mV                             | ≤ 0.05% + 100mV                            | ≤ 0.05% + 180mV                            |
|                                                                             | Current        | ≤ 0.1% + 170mA                             | ≤ 0.1% + 70mA                              | ≤ 0.1% + 40mA                              |
| Readback Stability-30min<br>(% of Output +Offset)                           | Voltage        | ≤ 0.05% + 40mV                             | ≤ 0.05% + 100mV                            | ≤ 0.05% + 180mV                            |
|                                                                             | Current        | ≤ 0.1% + 170mA                             | ≤ 0.1% + 70mA                              | ≤ 0.1% + 40mA                              |
| Readback Stability-8h<br>(% of Output +Offset)                              | Voltage        | ≤ 0.05% + 40mV                             | ≤ 0.05% + 100mV                            | ≤ 0.05% + 180mV                            |
|                                                                             | Current        | ≤ 0.1% + 170mA                             | ≤ 0.1% + 70mA                              | ≤ 0.1% + 40mA                              |
| Efficiency                                                                  |                | ~ 95%                                      | ~ 95%                                      | ~ 95%                                      |
| Sense Compensating Voltage                                                  |                | ≤ 4V                                       | ≤ 10V                                      | ≤ 18V                                      |
| Programming Response Time                                                   |                | 20mS                                       | 20mS                                       | 20mS                                       |
| Power Factor                                                                |                | 0.99                                       | 0.99                                       | 0.99                                       |
| Max. Input Current                                                          |                | 16A                                        | 16A                                        | 16A                                        |
| Max. Input Apparent Power                                                   |                | 6.4kVA                                     | 6.4kVA                                     | 6.4kVA                                     |
| Storage Temperature                                                         |                | -10℃ ~ 70℃                                 | -10℃ ~ 70℃                                 | -10℃ ~ 70℃                                 |
| Protective Function                                                         |                | OVP/OCPP/OPP/OTP/Vsense reverse protection | OVP/OCPP/OPP/OTP/Vsense reverse protection | OVP/OCPP/OPP/OTP/Vsense reverse protection |
| Communication Interface                                                     |                | Standard USB/CAN/LAN, optional GPIB/RS232  | Standard USB/CAN/LAN, optional GPIB/RS232  | Standard USB/CAN/LAN, optional GPIB/RS232  |
| Isolation(Output to ground)                                                 |                | 500V                                       | 500V                                       | 500V                                       |
| Operating Temperature                                                       |                | 0 ~ 40℃                                    | 0 ~ 40℃                                    | 0 ~ 40℃                                    |
| Dimension(mm)                                                               |                | 483*132.8*660mm                            | 483*132.8*660mm                            | 483*132.8*660mm                            |
| Net Weight                                                                  |                | 25kg                                       | 25kg                                       | 25kg                                       |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.

# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### Specification

|                                                                                 |                | IT6006D-500-30                            | IT6006D-800-20                            | IT6012D-80-340                            |
|---------------------------------------------------------------------------------|----------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Rated Value Range<br>(0 °C~40 °C)                                               | Output Voltage | 0 ~ 500V                                  | 0 ~ 800V                                  | 0 ~ 80V                                   |
|                                                                                 | Output Current | 0 ~ 30A                                   | 0 ~ 20A                                   | 0 ~ 340A                                  |
|                                                                                 | Output Power   | 0 ~ 6kW                                   | 0 ~ 6kW                                   | 0 ~ 12kW                                  |
| Line Regulation<br>±(% of Output+Offset)                                        | Voltage        | ≤ 0.01% + 50mV                            | ≤ 0.01% + 80mV                            | ≤ 0.01% + 8mV                             |
|                                                                                 | Current        | ≤ 0.05% + 15mA                            | ≤ 0.05% + 10mA                            | ≤ 0.05% + 170mA                           |
| Load Regulation<br>±(% of Output+Offset)                                        | Voltage        | ≤ 0.02% + 150mV                           | ≤ 0.02% + 240mV                           | ≤ 0.02% + 24mV                            |
|                                                                                 | Current        | ≤ 0.05% + 15mA                            | ≤ 0.05% + 10mA                            | ≤ 0.05% + 170mA                           |
| Programming Resolution                                                          | Voltage        | 0.01V                                     | 0.01V                                     | 0.001V                                    |
|                                                                                 | Current        | 0.001A                                    | 0.001A                                    | 0.01A                                     |
|                                                                                 | power          | 0.1W                                      | 0.1W                                      | 0.1W                                      |
| Readback Resolution                                                             | Voltage        | 0.01V                                     | 0.01V                                     | 0.001V                                    |
|                                                                                 | Current        | 0.001A                                    | 0.001A                                    | 0.01A                                     |
|                                                                                 | power          | 0.1W                                      | 0.1W                                      | 0.1W                                      |
| Programming Accuracy<br>(Within 12 months, 25 °C±5 °C)<br>±(% of Output+Offset) | Voltage        | ≤ 0.05% + 250mV                           | ≤ 0.05% + 400mV                           | ≤ 0.05% + 40mV                            |
|                                                                                 | Current        | ≤ 0.1% + 30mA                             | ≤ 0.1% + 20mA                             | ≤ 0.1% + 340mA                            |
|                                                                                 | Power          | ≤ 0.5% + 30W                              | ≤ 0.5% + 30W                              | ≤ 0.5% + 60W                              |
| ReadBack Accuracy<br>(Within 12 months, 25 °C±5 °C)<br>±(% of Output+Offset)    | Voltage        | ≤ 0.05% + 250mV                           | ≤ 0.05% + 400mV                           | ≤ 0.05% + 40mV                            |
|                                                                                 | Current        | ≤ 0.1% + 30mA                             | ≤ 0.1% + 20mA                             | ≤ 0.1% + 340mA                            |
|                                                                                 | Power          | ≤ 0.5% + 30W                              | ≤ 0.5% + 30W                              | ≤ 0.5% + 60W                              |
| Ripple<br>(20Hz ~20MHz)                                                         | Voltage        | ≤ 500mVpp                                 | ≤ 800mVpp                                 | ≤ 80mVpp                                  |
|                                                                                 | Current        | ≤ 0.05% + 15mA Arms                       | ≤ 0.05% + 10mA Arms                       | ≤ 0.05% + 170mA Arms                      |
| Rise Time (no load)                                                             | Voltage        | ≤ 15ms                                    | ≤ 15ms                                    | ≤ 15ms                                    |
| Rise Time(full load)                                                            | Voltage        | ≤ 30ms                                    | ≤ 30ms                                    | ≤ 30ms                                    |
| Fall Time (full load)                                                           | Voltage        | ≤ 1s                                      | ≤ 1s                                      | ≤ 1s                                      |
| Fall Time (full load)                                                           | Voltage        | ≤ 100ms                                   | ≤ 100ms                                   | ≤ 100ms                                   |
| Dynamic Response Time                                                           | Voltage        | ≤ 2ms                                     | ≤ 2ms                                     | ≤ 2ms                                     |
|                                                                                 | voltage        | 380V±10% (three phase four wire)          | 380V±10% (three phase four wire)          | 380V±10% (three phase four wire)          |
| AC Input                                                                        | Frequency      | 47Hz ~ 63Hz                               | 47Hz ~ 63Hz                               | 47Hz ~ 63Hz                               |
|                                                                                 |                |                                           |                                           |                                           |
| Setup Stability-30min<br>(% of Output +Offset)                                  | Voltage        | ≤ 0.05% + 250mV                           | ≤ 0.05% + 400mV                           | ≤ 0.05% + 40mV                            |
|                                                                                 | Current        | ≤ 0.1% + 30mA                             | ≤ 0.1% + 20mA                             | ≤ 0.1% + 340mA                            |
| Setup Stability-8h<br>(% of Output +Offset)                                     | Voltage        | ≤ 0.05% + 250mV                           | ≤ 0.05% + 400mV                           | ≤ 0.05% + 40mV                            |
|                                                                                 | Current        | ≤ 0.1% + 30mA                             | ≤ 0.1% + 20mA                             | ≤ 0.1% + 340mA                            |
| Readback Stability-30min<br>(% of Output +Offset)                               | Voltage        | ≤ 0.05% + 250mV                           | ≤ 0.05% + 400mV                           | ≤ 0.05% + 40mV                            |
|                                                                                 | Current        | ≤ 0.1% + 30mA                             | ≤ 0.1% + 20mA                             | ≤ 0.1% + 340mA                            |
| Readback Stability-8h<br>(% of Output +Offset)                                  | Voltage        | ≤ 0.05% + 250mV                           | ≤ 0.05% + 400mV                           | ≤ 0.05% + 40mV                            |
|                                                                                 | Current        | ≤ 0.1% + 30mA                             | ≤ 0.1% + 20mA                             | ≤ 0.1% + 340mA                            |
| Efficiency                                                                      |                | ~ 95%                                     | ~ 95%                                     | ~ 95%                                     |
| Sense Compensating Voltage                                                      |                | ≤ 25V                                     | ≤ 40V                                     | ≤ 4V                                      |
| Programming Response Time                                                       |                | 20mS                                      | 20mS                                      | 20mS                                      |
| Power Factor                                                                    |                | 0.99                                      | 0.99                                      | 0.99                                      |
| Max. Input Current                                                              |                | 16A                                       | 16A                                       | 22A                                       |
| Max. Input Apparent Power                                                       |                | 6.4kVA                                    | 6.4kVA                                    | 12.8kVA                                   |
| Storage Temperature                                                             |                | -10 °C ~ 70 °C                            | -10 °C ~ 70 °C                            | -10 °C ~ 70 °C                            |
| Protective Function                                                             |                | OVP/OCP/OPP/OTP/Vsense reverse protection | OVP/OCP/OPP/OTP/Vsense reverse protection | OVP/OCP/OPP/OTP/Vsense reverse protection |
| Communication Interface                                                         |                | Standard USB/CAN/LAN, optional GPIB/RS232 | Standard USB/CAN/LAN, optional GPIB/RS232 | Standard USB/CAN/LAN, optional GPIB/RS232 |
| Isolation(Output to ground)                                                     |                | 1000V                                     | 1500V                                     | 500V                                      |
| Operating Temperature                                                           |                | 0 ~ 40 °C                                 | 0 ~ 40 °C                                 | 0 ~ 40 °C                                 |
| Dimension(mm)                                                                   |                | 483*132.8*660mm                           | 483*132.8*660mm                           | 483*132.8*660mm                           |
| Net weight                                                                      |                | 25kg                                      | 25kg                                      | 35kg                                      |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.

# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### Specification

|                                                                             |                | IT6012D-200-140                           | IT6012D-360-80                            | IT6012D-500-60                            |
|-----------------------------------------------------------------------------|----------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Rated Value Range<br>(0℃~40℃)                                               | Output Voltage | 0 ~ 200V                                  | 0 ~ 360V                                  | 0 ~ 500V                                  |
|                                                                             | Output Current | 0 ~ 140A                                  | 0 ~ 80A                                   | 0 ~ 60A                                   |
|                                                                             | Output Power   | 0 ~ 12kW                                  | 0 ~ 12kW                                  | 0 ~ 12kW                                  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤0.01% + 20mV                             | ≤0.01% + 36mV                             | ≤0.01% + 50mV                             |
|                                                                             | Current        | ≤0.05% + 70mA                             | ≤0.05% + 40mA                             | ≤0.05% + 30mA                             |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤0.02% + 60mV                             | ≤0.02% + 108mV                            | ≤0.02% + 150mV                            |
|                                                                             | Current        | ≤0.05% + 70mA                             | ≤0.05% + 40mA                             | ≤0.05% + 30mA                             |
| Programming Resolution                                                      | Voltage        | 0.01V                                     | 0.01V                                     | 0.01V                                     |
|                                                                             | Current        | 0.01A                                     | 0.001A                                    | 0.001A                                    |
|                                                                             | power          | 0.1W                                      | 0.1W                                      | 0.1W                                      |
| ReadBack Resolution                                                         | Voltage        | 0.01V                                     | 0.01V                                     | 0.01V                                     |
|                                                                             | Current        | 0.01A                                     | 0.001A                                    | 0.001A                                    |
|                                                                             | power          | 0.1W                                      | 0.1W                                      | 0.1W                                      |
| Programming Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset) | Voltage        | ≤0.05% + 100mV                            | ≤0.05% + 180mV                            | ≤0.05% + 250mV                            |
|                                                                             | Current        | ≤0.1% + 140mA                             | ≤0.1% + 80mA                              | ≤0.1% + 60mA                              |
|                                                                             | Power          | ≤0.5% + 60W                               | ≤0.5% + 60W                               | ≤0.5% + 60W                               |
| ReadBack Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset)    | Voltage        | ≤0.05% + 100mV                            | ≤0.05% + 180mV                            | ≤0.05% + 250mV                            |
|                                                                             | Current        | ≤0.1% + 140mA                             | ≤0.1% + 80mA                              | ≤0.1% + 60mA                              |
|                                                                             | Power          | ≤0.5% + 60W                               | ≤0.5% + 60W                               | ≤0.5% + 60W                               |
| Ripple<br>(20Hz ~20MHz)                                                     | Voltage        | ≤200mVpp                                  | ≤360mVpp                                  | ≤500mVpp                                  |
|                                                                             | Current        | ≤0.05% + 70mA Arms                        | ≤0.05% + 40mA Arms                        | ≤0.05% + 30mA Arms                        |
| Rise Time (no load)                                                         | Voltage        | ≤15ms                                     | ≤15ms                                     | ≤15ms                                     |
| Rise Time(full load)                                                        | Voltage        | ≤30ms                                     | ≤30ms                                     | ≤30ms                                     |
| Fall Time (full load)                                                       | Voltage        | ≤1s                                       | ≤1s                                       | ≤1s                                       |
| Fall Time (full load)                                                       | Voltage        | ≤100ms                                    | ≤100ms                                    | ≤100ms                                    |
| Dynamic Response Time                                                       | Voltage        | ≤2ms                                      | ≤2ms                                      | ≤2ms                                      |
| AC Input                                                                    | voltage        | 380V±10% (three phase four wire)          | 380V±10% (three phase four wire)          | 380V±10% (three phase four wire)          |
|                                                                             | Frequency      | 47Hz ~ 63Hz                               | 47Hz ~ 63Hz                               | 47Hz ~ 63Hz                               |
| Setup Stability-30min<br>(% of Output +Offset)                              | Voltage        | ≤0.05% + 100mV                            | ≤0.05% + 180mV                            | ≤0.05% + 250mV                            |
|                                                                             | Current        | ≤0.1% + 140mA                             | ≤0.1% + 80mA                              | ≤0.1% + 60mA                              |
| Setup Stability-8h<br>(% of Output +Offset)                                 | Voltage        | ≤0.05% + 100mV                            | ≤0.05% + 180mV                            | ≤0.05% + 250mV                            |
|                                                                             | Current        | ≤0.1% + 140mA                             | ≤0.1% + 80mA                              | ≤0.1% + 60mA                              |
| Readback Stability-30min<br>(% of Output +Offset)                           | Voltage        | ≤0.05% + 100mV                            | ≤0.05% + 180mV                            | ≤0.05% + 250mV                            |
|                                                                             | Current        | ≤0.1% + 140mA                             | ≤0.1% + 80mA                              | ≤0.1% + 60mA                              |
| Readback Stability-8h<br>(% of Output +Offset)                              | Voltage        | ≤0.05% + 100mV                            | ≤0.05% + 180mV                            | ≤0.05% + 250mV                            |
|                                                                             | Current        | ≤0.1% + 140mA                             | ≤0.1% + 80mA                              | ≤0.1% + 60mA                              |
| Efficiency                                                                  |                | ~ 95%                                     | ~ 95%                                     | ~ 95%                                     |
| Sense Compensating Voltage                                                  |                | ≤10V                                      | ≤18V                                      | ≤25V                                      |
| Programming Response Time                                                   |                | 20mS                                      | 20mS                                      | 20mS                                      |
| Power Factor                                                                |                | 0.99                                      | 0.99                                      | 0.99                                      |
| Max. Input Current                                                          |                | 22A                                       | 22A                                       | 22A                                       |
| Max. Input Apparent Power                                                   |                | 12.8kVA                                   | 12.8kVA                                   | 12.8kVA                                   |
| Storage Temperature                                                         |                | -10℃ ~ 70℃                                | -10℃ ~ 70℃                                | -10℃ ~ 70℃                                |
| Protective Function                                                         |                | OVP/OCP/OPP/OTP/Vsense reverse protection | OVP/OCP/OPP/OTP/Vsense reverse protection | OVP/OCP/OPP/OTP/Vsense reverse protection |
| Communication Interface                                                     |                | Standard USB/CAN/LAN, optional GPIB/RS232 | Standard USB/CAN/LAN, optional GPIB/RS232 | Standard USB/CAN/LAN, optional GPIB/RS232 |
| Isolation(Output to ground)                                                 |                | 500V                                      | 500V                                      | 1000V                                     |
| Operating Temperature                                                       |                | 0 ~ 40℃                                   | 0 ~ 40℃                                   | 0 ~ 40℃                                   |
| Dimension(mm)                                                               |                | 483*132.8*660mm                           | 483*132.8*660mm                           | 483*132.8*660mm                           |
| Net Weight                                                                  |                | 35kG                                      | 35kG                                      | 35kG                                      |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.

# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### Specification

|                                                                                 |                | IT6012D-800-40                             | IT6018D-80-510                             | IT6018D-200-210                            |
|---------------------------------------------------------------------------------|----------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Rated Value Range<br>(0 °C~40 °C)                                               | Output Voltage | 0 ~ 800V                                   | 0 ~ 80V                                    | 0 ~ 200V                                   |
|                                                                                 | Output Current | 0 ~ 40A                                    | 0 ~ 510A                                   | 0 ~ 210A                                   |
|                                                                                 | Output Power   | 0 ~ 12kW                                   | 0 ~ 18kW                                   | 0 ~ 18kW                                   |
| Line Regulation<br>±(% of Output+Offset)                                        | Voltage        | ≤0.01% + 80mV                              | ≤0.01% + 8mV                               | ≤0.01% + 20mV                              |
|                                                                                 | Current        | ≤0.05% + 20mA                              | ≤0.05% + 255mA                             | ≤0.05% + 105mA                             |
| Load Regulation<br>±(% of Output+Offset)                                        | Voltage        | ≤0.02% + 240mV                             | ≤0.02% + 24mV                              | ≤0.02% + 60mV                              |
|                                                                                 | Current        | ≤0.05% + 20mA                              | ≤0.05% + 255mA                             | ≤0.05% + 105mA                             |
| Programming Resolution                                                          | Voltage        | 0.01V                                      | 0.001V                                     | 0.01V                                      |
|                                                                                 | Current        | 0.001A                                     | 0.01A                                      | 0.01A                                      |
|                                                                                 | power          | 0.1W                                       | 0.1W                                       | 0.1W                                       |
| ReadBack Resolution                                                             | Voltage        | 0.01V                                      | 0.001V                                     | 0.01V                                      |
|                                                                                 | Current        | 0.001A                                     | 0.01A                                      | 0.01A                                      |
|                                                                                 | power          | 0.1W                                       | 0.1W                                       | 0.1W                                       |
| Programming Accuracy<br>(Within 12 months, 25 °C±5 °C)<br>±(% of Output+Offset) | Voltage        | ≤0.05% + 400mV                             | ≤0.05% + 40mV                              | ≤0.05% + 100mV                             |
|                                                                                 | Current        | ≤0.1% + 40mA                               | ≤0.1% + 510mA                              | ≤0.1% + 210mA                              |
|                                                                                 | Power          | ≤0.5% + 60W                                | ≤0.5% + 90W                                | ≤0.5% + 90W                                |
| ReadBack Accuracy<br>(Within 12 months, 25 °C±5 °C)<br>±(% of Output+Offset)    | Voltage        | ≤0.05% + 400mV                             | ≤0.05% + 40mV                              | ≤0.05% + 100mV                             |
|                                                                                 | Current        | ≤0.1% + 40mA                               | ≤0.1% + 510mA                              | ≤0.1% + 210mA                              |
|                                                                                 | Power          | ≤0.5% + 60W                                | ≤0.5% + 90W                                | ≤0.5% + 90W                                |
| Ripple<br>(20Hz ~20MHz)                                                         | Voltage        | ≤800mVpp                                   | ≤80mVpp                                    | ≤200mVpp                                   |
|                                                                                 | Current        | ≤0.05% + 20mArms                           | ≤0.05% + 255mArms                          | ≤0.05% + 105mArms                          |
| Rise Time (no load)                                                             | Voltage        | ≤15ms                                      | ≤15ms                                      | ≤15ms                                      |
| Rise Time(full load)                                                            | Voltage        | ≤30ms                                      | ≤30ms                                      | ≤30ms                                      |
| Fall Time (full load)                                                           | Voltage        | ≤1s                                        | ≤1s                                        | ≤1s                                        |
| Fall Time (full load)                                                           | Voltage        | ≤100ms                                     | ≤100ms                                     | ≤100ms                                     |
| Dynamic Response Time                                                           | Voltage        | ≤2ms                                       | ≤2ms                                       | ≤2ms                                       |
| AC Input                                                                        | voltage        | 380V±10% (three phase four wire)           | 380V±10% (three phase four wire)           | 380V±10% (three phase four wire)           |
|                                                                                 | Frequency      | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                |
| Setup Stability-30min<br>(% of Output +Offset)                                  | Voltage        | ≤0.05% + 400mV                             | ≤0.05% + 40mV                              | ≤0.05% + 100mV                             |
|                                                                                 | Current        | ≤0.1% + 40mA                               | ≤0.1% + 510mA                              | ≤0.1% + 210mA                              |
| Setup Stability-8h<br>(% of Output +Offset)                                     | Voltage        | ≤0.05% + 400mV                             | ≤0.05% + 40mV                              | ≤0.05% + 100mV                             |
|                                                                                 | Current        | ≤0.1% + 40mA                               | ≤0.1% + 510mA                              | ≤0.1% + 210mA                              |
| Readback Stability-30min<br>(% of Output +Offset)                               | Voltage        | ≤0.05% + 400mV                             | ≤0.05% + 40mV                              | ≤0.05% + 100mV                             |
|                                                                                 | Current        | ≤0.1% + 40mA                               | ≤0.1% + 510mA                              | ≤0.1% + 210mA                              |
| Readback Stability-8h<br>(% of Output +Offset)                                  | Voltage        | ≤0.05% + 400mV                             | ≤0.05% + 40mV                              | ≤0.05% + 100mV                             |
|                                                                                 | Current        | ≤0.1% + 40mA                               | ≤0.1% + 510mA                              | ≤0.1% + 210mA                              |
| Efficiency                                                                      |                | ~ 95%                                      | ~ 95%                                      | ~ 95%                                      |
| Sense Compensating Voltage                                                      |                | ≤40V                                       | ≤4V                                        | ≤10V                                       |
| Programming Response Time                                                       |                | 20mS                                       | 20mS                                       | 20mS                                       |
| Power Factor                                                                    |                | 0.99                                       | 0.99                                       | 0.99                                       |
| Max. Input Current                                                              |                | 22A                                        | 33A                                        | 33A                                        |
| Max. Input Apparent Power                                                       |                | 12.8kVA                                    | 19.1kVA                                    | 19.1kVA                                    |
| Storage Temperature                                                             |                | -10 °C ~ 70 °C                             | -10 °C ~ 70 °C                             | -10 °C ~ 70 °C                             |
| Protective Function                                                             |                | OVP/OCPP/OPP/OTP/Vsense reverse protection | OVP/OCPP/OPP/OTP/Vsense reverse protection | OVP/OCPP/OPP/OTP/Vsense reverse protection |
| Communication Interface                                                         |                | Standard USB/CAN/LAN, optional GPIB/RS232  | Standard USB/CAN/LAN, optional GPIB/RS232  | Standard USB/CAN/LAN, optional GPIB/RS232  |
| Isolation(Output to ground)                                                     |                | 1500V                                      | 500V                                       | 500V                                       |
| Operating Temperature                                                           |                | 0 ~ 40 °C                                  | 0 ~ 40 °C                                  | 0 ~ 40 °C                                  |
| Dimension(mm)                                                                   |                | 483*132.8*660mm                            | 483*132.8*660mm                            | 483*132.8*660mm                            |
| Net Weight                                                                      |                | 35kG                                       | 45kG                                       | 45kG                                       |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.

# Your Power Testing Solution

## IT6000D Series High Power Programmable DC Power Supply

### Specification

|                                                                             |                | IT6018D-360-120                            | IT6018D-500-90                             | IT6018D-800-60                             |
|-----------------------------------------------------------------------------|----------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Rated Value Range<br>(0℃~40℃)                                               | Output Voltage | 0 ~ 360V                                   | 0 ~ 500V                                   | 0 ~ 800V                                   |
|                                                                             | Output Current | 0 ~ 120A                                   | 0 ~ 90A                                    | 0 ~ 60A                                    |
|                                                                             | Output Power   | 0 ~ 18kW                                   | 0 ~ 18kW                                   | 0 ~ 18kW                                   |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤ 0.01% + 36mV                             | ≤ 0.01% + 50mV                             | ≤ 0.01% + 80mV                             |
|                                                                             | Current        | ≤ 0.05% + 60mA                             | ≤ 0.05% + 45mA                             | ≤ 0.05% + 30mA                             |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤ 0.02% + 108mV                            | ≤ 0.02% + 150mV                            | ≤ 0.02% + 240mV                            |
|                                                                             | Current        | ≤ 0.05% + 60mA                             | ≤ 0.05% + 45mA                             | ≤ 0.05% + 30mA                             |
| Programming Resolution                                                      | Voltage        | 0.01V                                      | 0.01V                                      | 0.01V                                      |
|                                                                             | Current        | 0.01A                                      | 0.001A                                     | 0.001A                                     |
|                                                                             | power          | 0.1W                                       | 0.1W                                       | 0.1W                                       |
| ReadBack Resolution                                                         | Voltage        | 0.01V                                      | 0.01V                                      | 0.01V                                      |
|                                                                             | Current        | 0.01A                                      | 0.001A                                     | 0.001A                                     |
|                                                                             | power          | 0.1W                                       | 0.1W                                       | 0.1W                                       |
| Programming Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset) | Voltage        | ≤ 0.05% + 180mV                            | ≤ 0.05% + 250mV                            | ≤ 0.05% + 400mV                            |
|                                                                             | Current        | ≤ 0.1% + 120mA                             | ≤ 0.1% + 90mA                              | ≤ 0.1% + 60mA                              |
|                                                                             | Power          | ≤ 0.5% + 90W                               | ≤ 0.5% + 90W                               | ≤ 0.5% + 90W                               |
| ReadBack Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset)    | Voltage        | ≤ 0.05% + 180mV                            | ≤ 0.05% + 250mV                            | ≤ 0.05% + 400mV                            |
|                                                                             | Current        | ≤ 0.1% + 120mA                             | ≤ 0.1% + 90mA                              | ≤ 0.1% + 60mA                              |
|                                                                             | Power          | ≤ 0.5% + 90W                               | ≤ 0.5% + 90W                               | ≤ 0.5% + 90W                               |
| Ripple<br>(20Hz ~20MHz)                                                     | Voltage        | ≤ 360mVpp                                  | ≤ 500mVpp                                  | ≤ 800mVpp                                  |
|                                                                             | Current        | ≤ 0.05% + 60mArms                          | ≤ 0.05% + 45mArms                          | ≤ 0.05% + 30mArms                          |
| Rise Time (no load)                                                         | Voltage        | ≤ 15ms                                     | ≤ 15ms                                     | ≤ 15ms                                     |
| Rise Time(full load)                                                        | Voltage        | ≤ 30ms                                     | ≤ 30ms                                     | ≤ 30ms                                     |
| Fall Time (full load)                                                       | Voltage        | ≤ 1s                                       | ≤ 1s                                       | ≤ 1s                                       |
| Fall Time (full load)                                                       | Voltage        | ≤ 100ms                                    | ≤ 100ms                                    | ≤ 100ms                                    |
| Dynamic Response Time                                                       | Voltage        | ≤ 2ms                                      | ≤ 2ms                                      | ≤ 2ms                                      |
| AC Input                                                                    | voltage        | 380V±10% (three phase four wire)           | 380V±10% (three phase four wire)           | 380V±10% (three phase four wire)           |
|                                                                             | Frequency      | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                |
| Setup Stability-30min<br>(% of Output +Offset)                              | Voltage        | ≤ 0.05% + 180mV                            | ≤ 0.05% + 250mV                            | ≤ 0.05% + 400mV                            |
|                                                                             | Current        | ≤ 0.1% + 120mA                             | ≤ 0.1% + 90mA                              | ≤ 0.1% + 60mA                              |
| Setup stability-8h<br>(% of Output +Offset)                                 | Voltage        | ≤ 0.05% + 180mV                            | ≤ 0.05% + 250mV                            | ≤ 0.05% + 400mV                            |
|                                                                             | Current        | ≤ 0.1% + 120mA                             | ≤ 0.1% + 90mA                              | ≤ 0.1% + 60mA                              |
| Readback stability-30min<br>(% of Output +Offset)                           | Voltage        | ≤ 0.05% + 180mV                            | ≤ 0.05% + 250mV                            | ≤ 0.05% + 400mV                            |
|                                                                             | Current        | ≤ 0.1% + 120mA                             | ≤ 0.1% + 90mA                              | ≤ 0.1% + 60mA                              |
| Readback stability-8h<br>(% of Output +Offset)                              | Voltage        | ≤ 0.05% + 180mV                            | ≤ 0.05% + 250mV                            | ≤ 0.05% + 400mV                            |
|                                                                             | Current        | ≤ 0.1% + 120mA                             | ≤ 0.1% + 90mA                              | ≤ 0.1% + 60mA                              |
| Efficiency                                                                  |                | ~ 95%                                      | ~ 95%                                      | ~ 95%                                      |
| Sense Compensating Voltage                                                  |                | ≤ 18V                                      | ≤ 25V                                      | ≤ 40V                                      |
| Programming Response Time                                                   |                | 20mS                                       | 20mS                                       | 20mS                                       |
| Power Factor                                                                |                | 0.99                                       | 0.99                                       | 0.99                                       |
| Max. Input Current                                                          |                | 33A                                        | 33A                                        | 33A                                        |
| Max. Input Apparent Power                                                   |                | 19.1kVA                                    | 19.1kVA                                    | 19.1kVA                                    |
| Storage Temperature                                                         |                | -10℃ ~ 70℃                                 | -10℃ ~ 70℃                                 | -10℃ ~ 70℃                                 |
| Protective Function                                                         |                | OVP/OCPP/OPP/OTP/Vsense reverse protection | OVP/OCPP/OPP/OTP/Vsense reverse protection | OVP/OCPP/OPP/OTP/Vsense reverse protection |
| Communication Interface                                                     |                | Standard USB/CAN/LAN, optional GPIB/RS232  | Standard USB/CAN/LAN, optional GPIB/RS232  | Standard USB/CAN/LAN, optional GPIB/RS232  |
| Isolation(Output to ground)                                                 |                | 500V                                       | 1000V                                      | 1500V                                      |
| Operating Temperature                                                       |                | 0 ~ 40℃                                    | 0 ~ 40℃                                    | 0 ~ 40℃                                    |
| Dimension(mm)                                                               |                | 483*132.8*660mm                            | 483*132.8*660mm                            | 483*132.8*660mm                            |
| Net Weight                                                                  |                | 45kg                                       | 45kg                                       | 45kg                                       |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.

# Your Power Testing Solution

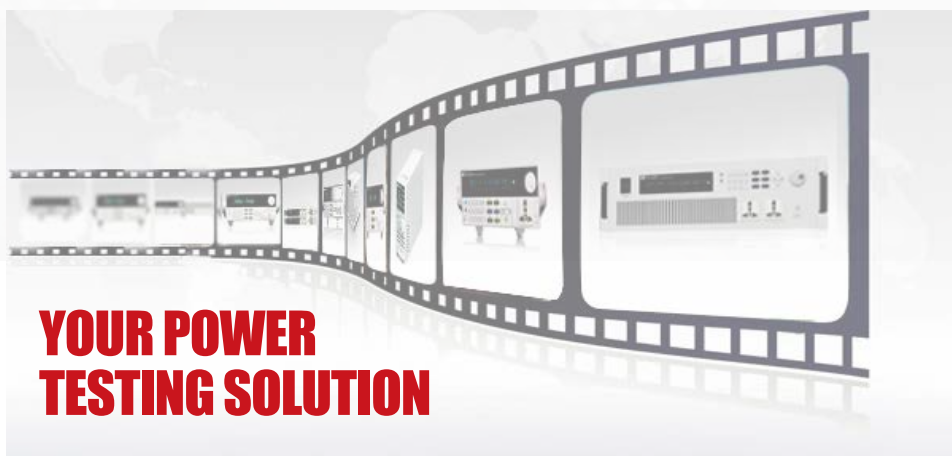
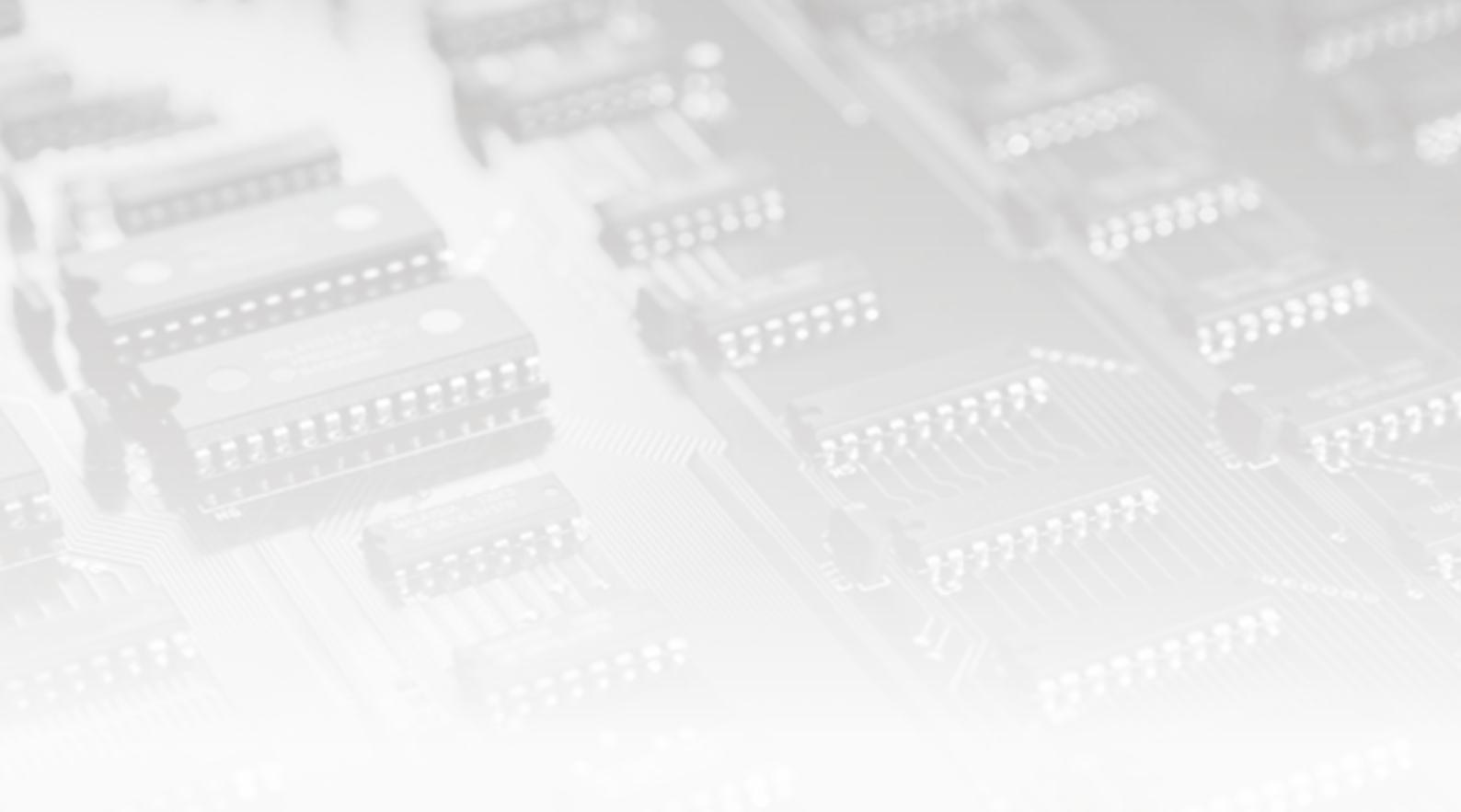
## IT6000D Series High Power Programmable DC Power Supply

### Specification

| IT6018D-1500-30                                                             |                | IT6018D-2250-20                           |
|-----------------------------------------------------------------------------|----------------|-------------------------------------------|
| Rated Value Range<br>(0℃~40℃)                                               | Output Voltage | 0 ~ 1500V                                 |
|                                                                             | Output Current | 0 ~ 30A                                   |
|                                                                             | Output Power   | 0 ~ 18kW                                  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤ 0.01% + 150mV                           |
|                                                                             | Current        | ≤ 0.05% + 15mA                            |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage        | ≤ 0.02% + 450mV                           |
|                                                                             | Current        | ≤ 0.05% + 15mA                            |
| Programming Resolution                                                      | Voltage        | 0.1V                                      |
|                                                                             | Current        | 0.001A                                    |
|                                                                             | power          | 0.1W                                      |
| ReadBack Resolution                                                         | Voltage        | 0.1V                                      |
|                                                                             | Current        | 0.001A                                    |
|                                                                             | power          | 0.1W                                      |
| Programming Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset) | Voltage        | ≤ 0.05% + 750mV                           |
|                                                                             | Current        | ≤ 0.1% + 30mA                             |
|                                                                             | Power          | ≤ 0.5% + 90W                              |
| ReadBack Accuracy<br>(Within 12 months, 25℃±5℃)<br>±(% of Output+Offset)    | Voltage        | ≤ 0.05% + 750mV                           |
|                                                                             | Current        | ≤ 0.1% + 30mA                             |
|                                                                             | Power          | ≤ 0.5% + 90W                              |
| Ripple<br>(20Hz ~20MHz)                                                     | Voltage        | ≤ 1500mVpp                                |
|                                                                             | Current        | ≤ 0.05% + 15mA Arms                       |
| Rise Time (no load)                                                         | Voltage        | ≤ 15ms                                    |
| Rise Time(full load)                                                        | Voltage        | ≤ 30ms                                    |
| Fall Time (full load)                                                       | Voltage        | ≤ 1s                                      |
| Fall Time (full load)                                                       | Voltage        | ≤ 100ms                                   |
| Dynamic Response Time                                                       | Voltage        | ≤ 2ms                                     |
|                                                                             | voltage        | 380V±10% (three phase four wire)          |
| AC Input                                                                    | Frequency      | 47Hz ~ 63Hz                               |
|                                                                             |                | 47Hz ~ 63Hz                               |
| Setup Stability-30min<br>(% of Output +Offset)                              | Voltage        | ≤ 0.05% + 750mV                           |
|                                                                             | Current        | ≤ 0.1% + 30mA                             |
| Setup Stability-8h<br>(% of Output +Offset)                                 | Voltage        | ≤ 0.05% + 750mV                           |
|                                                                             | Current        | ≤ 0.1% + 30mA                             |
| Readback Stability-30min<br>(% of Output +Offset)                           | Voltage        | ≤ 0.05% + 750mV                           |
|                                                                             | Current        | ≤ 0.1% + 30mA                             |
| Readback Stability-8h<br>(% of Output +Offset)                              | Voltage        | ≤ 0.05% + 750mV                           |
|                                                                             | Current        | ≤ 0.1% + 30mA                             |
| Efficiency                                                                  |                | ~ 95%                                     |
| Sense Compensating Voltage                                                  |                | ≤ 75V                                     |
| Programming Response Time                                                   |                | 20mS                                      |
| Power Factor                                                                |                | 0.99                                      |
| Max. Input Current                                                          |                | 33A                                       |
| Max. Input Apparent Power                                                   |                | 19.1kVA                                   |
| Storage Temperature                                                         |                | -10℃ ~ 70℃                                |
| Protective Function                                                         |                | OVP/OCP/OPP/OTP/Vsense reverse protection |
| Communication Interface                                                     |                | Standard USB/CAN/LAN, optional GPIB/RS232 |
| Isolation(Output to ground)                                                 |                | 2000V                                     |
| Operating Temperature                                                       |                | 0 ~ 40℃                                   |
| Dimension(mm)                                                               |                | 483*132.8*660mm                           |
| Net Weight                                                                  |                | 45kG                                      |

\* Models coming soon-80V/200V/360V

\*This information is subject to change without notice.



This information is subject to change without notice. For more information, please contact ITECH.

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