

**Product**

IT6000B Regenerative Power System



**ONE Button Switch**  
**Power Supply And Electronic Load In ONE**



# IT6000B Regenerative Power System

## APPLICATIONS

- High power battery
- High speed testing
- Automotive electronics
- Aerospace
- Green energy
- Industrial manufacturing

*Your Power Testing Solution*



# IT6000 Series

## Regenerative Power System

From the perspective of improving customer experience, ITECH launches a new incorporated product--IT6000B series. IT6000B integrates bidirectional power supply and regenerative electronic load into one 3U unit. It is also a very powerful one. Only a button is needed to switch between the bidirectional power supply and the regenerative electronic load. It can be used not only as a stand-alone powerful bidirectional power supply, as a source to provide power; but also as an independent regenerative electronic load, to absorb the consumed energy and feedback cleanly to the grid. IT6000B offers standard two-quadrants functionality.

IT6000B provides 7 voltage ranges, up to 2250V, supports master-slave parallel with current distribution up to 1152kW. Built-in waveform generator supports generating arbitrary waveforms, and imports LIST files for waveforms via USB interface. IT6000B is the combination of reliability, high efficient setting, safe and multiple measurement functions.

IT6000B is a family of bi-directional, regenerative power system with excellent performance, extensively used in aspects of high power battery, automotive electronics, green energy, high speed testing etc.

## Features

- Bi-directional device – power supply and electronic load in one
- One button switch between source and sink on panel
- Stand-alone power up to 144kW, expandable in parallel up to 1.152MW
- Voltage output ratings: 0-2250V
- Current output ratings: 0-2040A
- High power density design provides 18kW in 3U space
- Bi-directional energy transmission, seamless switching across two quadrants
- Support CC/CV loop speed and priority setting
- Built-in voltage curves complied with LV123, LV148, DIN40839, ISO-16750-2, SAEJ1113-11, LV124 and ISO21848 automotive standards
- High efficient energy recovery
- Support solar panel I-V curves simulation
- Built-in waveform generator, support generating arbitrary waveforms
- Adjustable output impedance
- Complete protection, support OVP,  $\pm$ OCP,  $\pm$ OPP, OTP, voltage transient drop protection and anti-islanding protection
- Built-in USB/CAN/LAN/digital IO interface, Optional GPIB/Analog&RS232
- Support data saving and the shortest interval of sampling is 10 $\mu$ s
- Battery simulation function
- Strong dynamic driving profile simulation function, up to 10,000,000 points

# Your Power Testing Solution

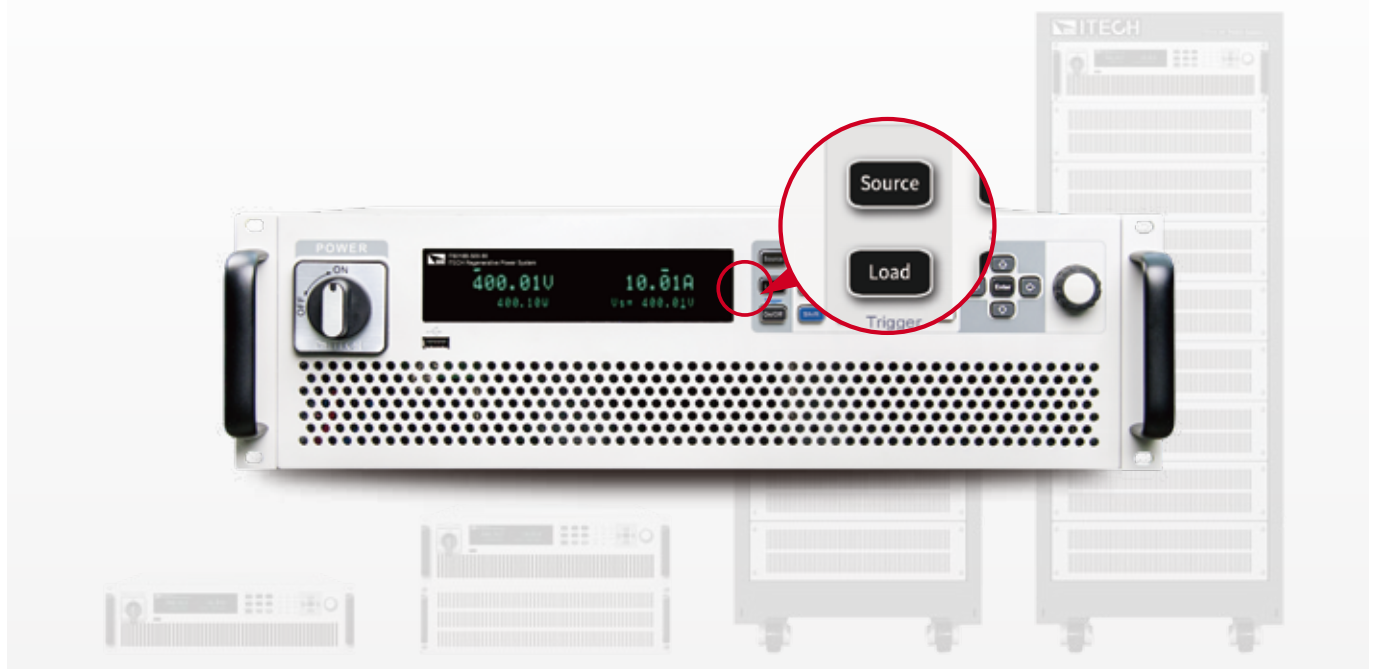
IT6000B Regenerative Power System

## Application

|                                 |   |   |   |  |   |                               |
|---------------------------------|---|---|---|--|---|-------------------------------|
| <b>01</b><br>Renewable Energy   |  | Solar Charger   |  | Micro Inverter   | Battery Pack  | PV Inverter                   |
| <b>02</b><br>Automotive         | Automotive Motors   |  | Car Charger   | Automotive Electronics   |  | Bidirectional DC/DC Converter |
| <b>03</b><br>High-speed testing | Telecom   | Power semiconductor components  | Military electronics  |  | LED products  | Avionics                      |
| <b>04</b><br>High-power testing |  | UPS   | Electric motor/generator  | Consumer products  | Electro plating/welding   | ATE systems                   |

## One button switch between source and load

IT6000B innovatively incorporates two devices in one: a bidirectional power supply and a regenerative electronic load. The devices offer the functional button on panel for easy two-quadrants operation, either as a bidirectional programmable DC power supply or as a DC electronic load with recovery function. It reduces the space, cost and efforts on DUT for separate units.

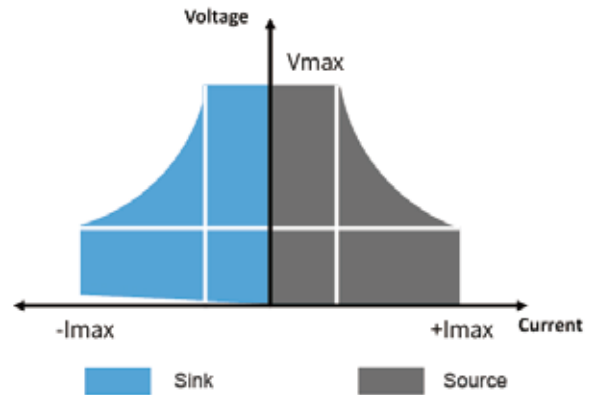


# Your Power Testing Solution

## IT6000B Regenerative Power System

### Bi-directional energy, seamless switching

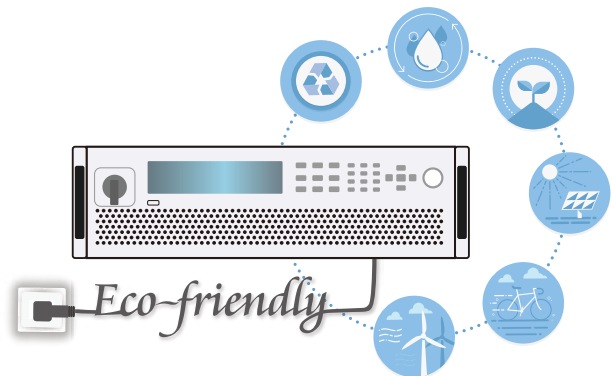
The IT6000B Series combines bi-directional power supply and regenerative load function in one. Unlike traditional power supplies and E-loads, for which there will be short transitions and incontinuity in the middle of positive and negative current switching, IT6000B is a standard high-speed bidirectional power supply. It can switch seamlessly between source and sink mode fast and continuously, which avoids voltage or current overshoot effectively. It can be applied to battery test, cell packaging equipment test, battery protection board test, etc.



### High energy regenerative efficiency

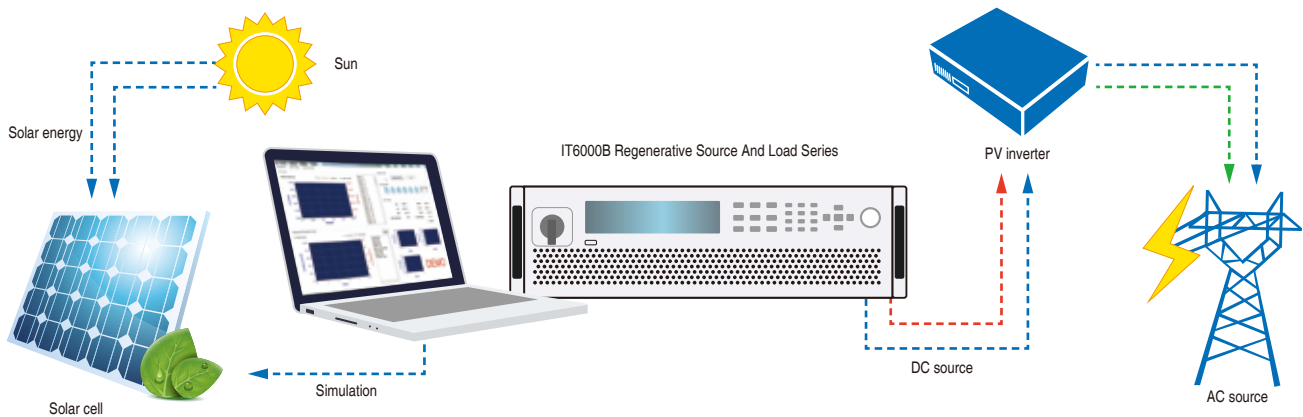
The IT6000B series has a unique function of energy regenerative that can regenerate electrical energy and then directly use it in the plant instead of consuming it in the form of heat. Its regeneration efficiency can reach up to 95%, which not only greatly reduces the user's electricity cost, but also avoids the use of air conditioning or expensive cooling systems.

Most of the conventional electronic loads are energy-consuming loads. In addition to the high cost of electricity, large amounts of carbon dioxide, sulfur dioxide, nitrogen oxides and other greenhouse gases or harmful gases are generated during power generation, which is harmful to the environment. IT6000B can avoid any of these by its regenerative function.



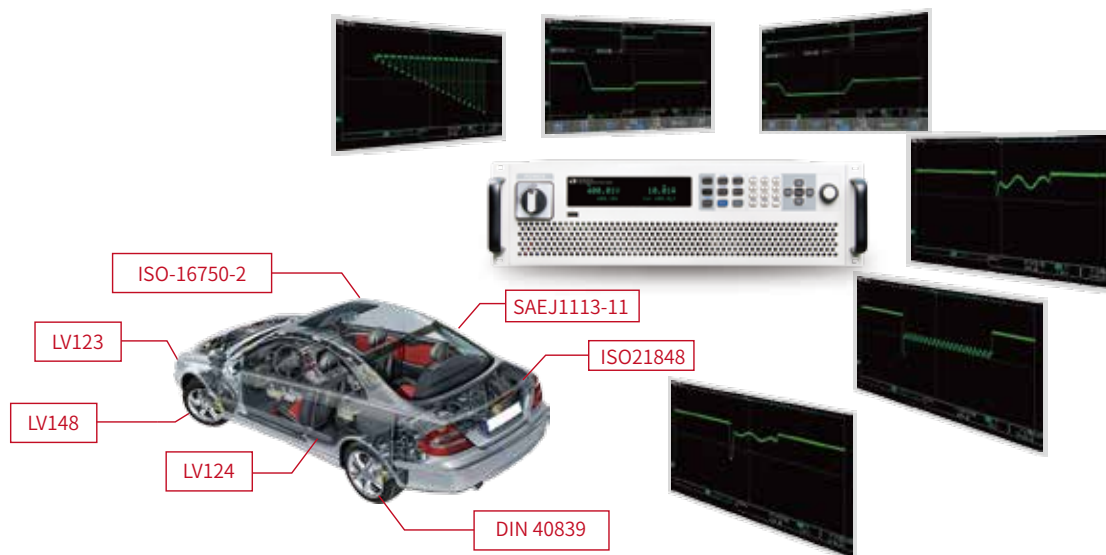
### The application for solar array simulation

IT6000B optional SAS1000 solar array simulation software, users can easily use the software to output, measure, display the maximum power and track status of photovoltaic inverter in real time and record value. With the built-in EN50530, Sandia, NB/T32004, CGC/GF004, CGC/GF035 regulatory testing procedures, it is simple for users to simulate I-V curves, test the static and dynamic MPPT performance of PV inverters and generate reports. Solar simulation power supply also provides the shadow and table mode, users can enter up to 4096 points array to edit any shielded IV curve and achieve dynamic shadow effect. Or users can store 100 I-V curves under different irradiation and temperature, set operating time and order to test the long-term MPPT of photovoltaic inverters under different climatic conditions.



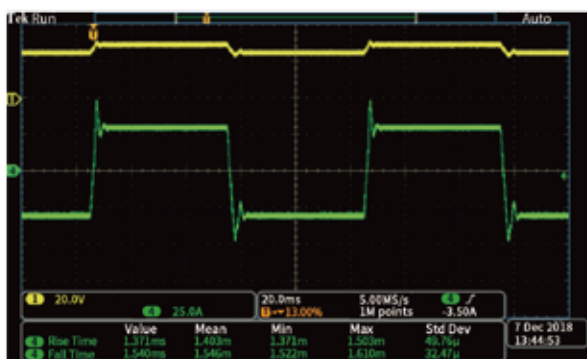
### Built-in voltage curves for a variety of standard automotive voltage curves

Automotive electronics may often experience power transients during vehicle start-up and operation. To ensure that the device under test can withstand these actual transients, the tester must simulate worst-case power transient conditions during the test. According to the relevant standards of the industry, the IT6000B has built-in standard automotive voltage curves LV123, LV148, DIN40839, ISO-16750-2, SAEJ1113-11, LV124 and ISO21848. Users can easily recall various waveforms directly, such as voltage drop waveform during vehicle starting up, pulse waveform and other related automotive electronics waveforms for performance tests. Available voltage grades in 12V, 24V and 48V.



### CC&CV Priority

IT6000B has CC/CV priority function which is the newest concept in the industry. It can meet different application requests such as fast speed or no overshoot and make the test more flexible. 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.



CV priority

Starting up: surge current over range, high speed voltage



CC priority

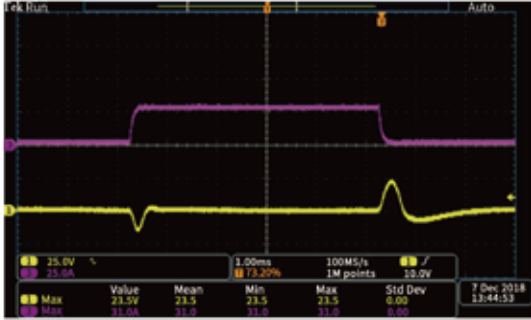
Battery charging and discharging: seamless switching, no overshoot

# Your Power Testing Solution

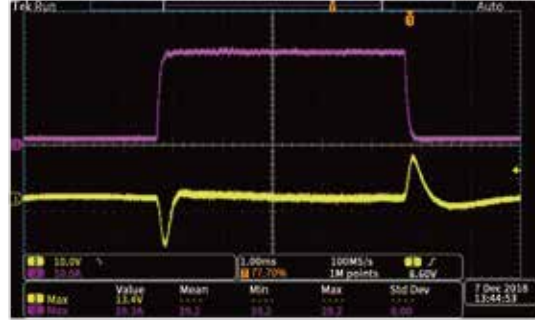
## IT6000B Regenerative Power System

### Patented parallel technology

- IT6000B 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



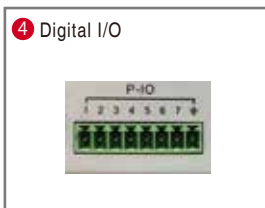
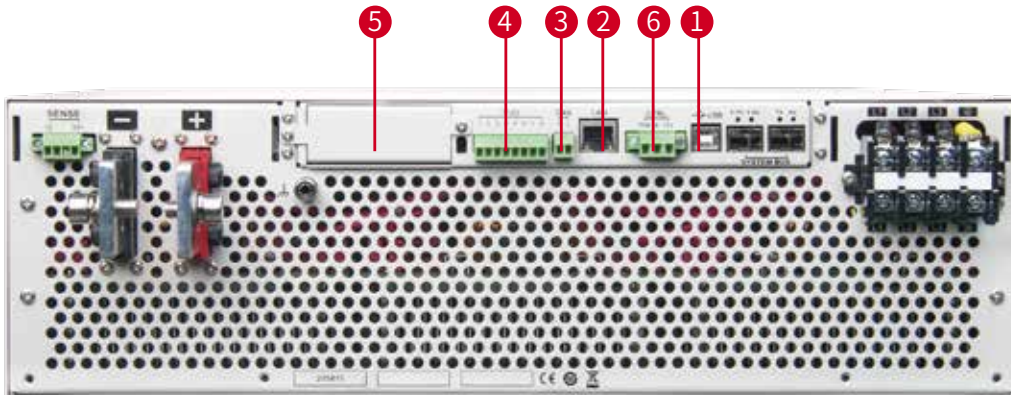
Standalone unit  
IT6006B-500-40 500V 40A 6000W  
Setting: voltage 100V current 28A  
Load current: 30A



2 units IT6006B-500-40  
Setting: voltage 100V current 56A  
Load current: 60A

\* Yellow- output voltage  
Purple- output current

### Various interfaces

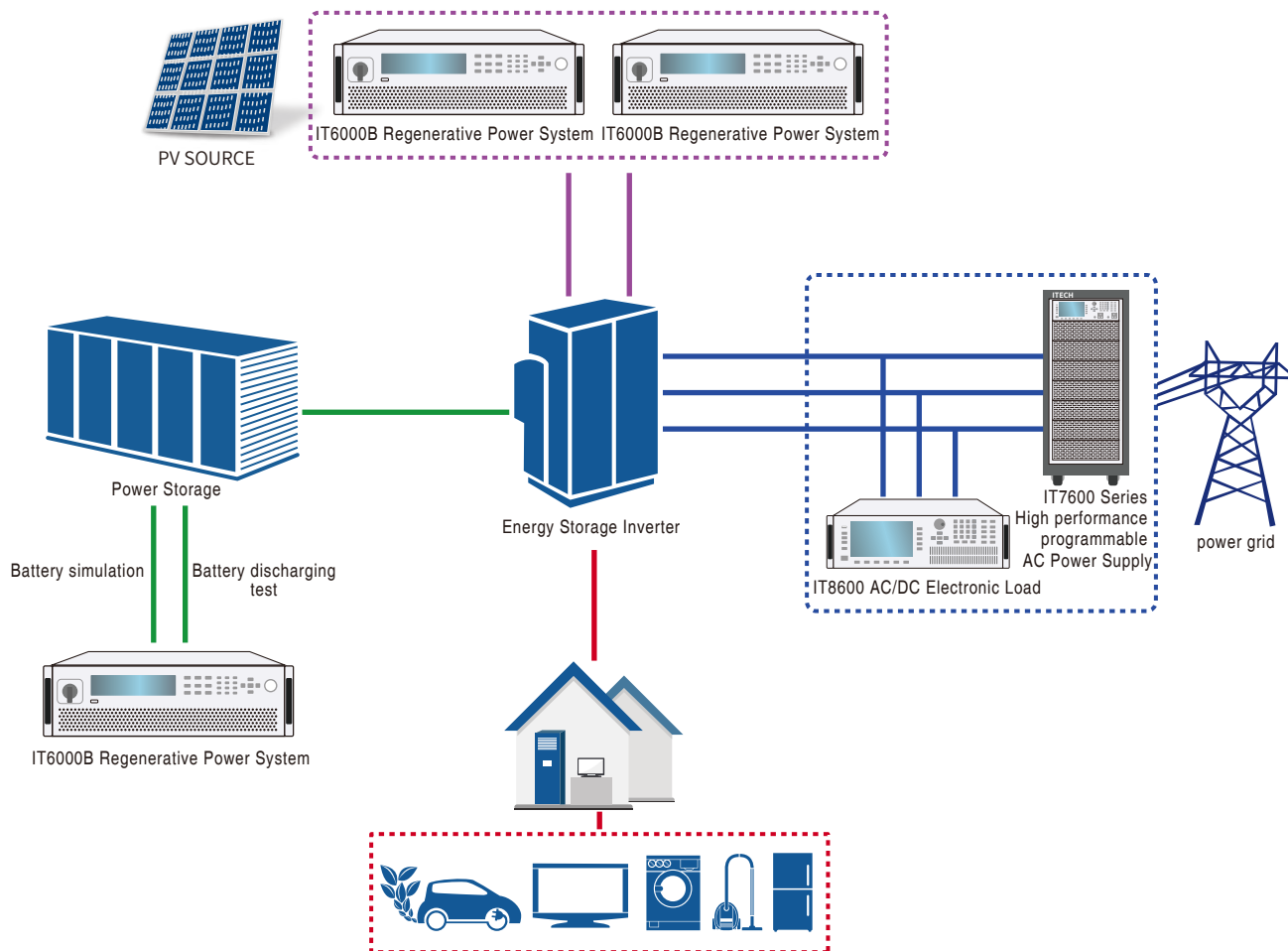


\* Optional GPIB or Optional RS232 & Analog

### Application-Photovoltaic energy storage integrated machine

Photovoltaic energy storage integrated machine is a device of DC-AC converter used in combined power generating of photovoltaic and energy storage system. It can coordinate the output of photovoltaic and energy storage batteries, stabilize the power fluctuation of the batteries and output qualified AC power by the technology of energy storage converting.

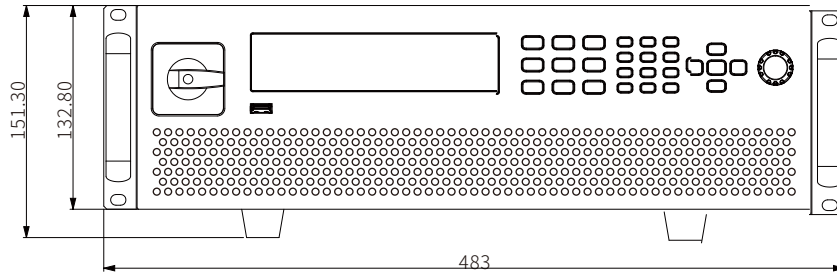
- IT6000B can precisely simulate I-V curve of solar panel.
- IT6000B can simulate batteries by its battery simulation function.
- IT7600+IT8600 can simulate the input of power grid.
- Three testing ways can be done by simulation of various power units: Battery input, AC input, PV input to converter.
- The independent load mode of IT6000B can proceed discharging test of batteries.



# Your Power Testing Solution

## IT6000B Regenerative Power System

### 3U/18kW Standalone unit dimension(mm)



### Specification

|                 | Model           | Current | Power            |       | Model            | Current         | Power |       | Model           | Current | Power |
|-----------------|-----------------|---------|------------------|-------|------------------|-----------------|-------|-------|-----------------|---------|-------|
| 80V             | IT6005B-80-150  | 150A    | 5kW              | 300V  | IT6006B-300-75   | 75A             | 6kW   | 500V  | IT6006B-500-40  | 40A     | 6kW   |
|                 | IT6010B-80-300  | 300A    | 10kW             |       | IT6012B-300-150  | 150A            | 12kW  |       | IT6012B-500-80  | 80A     | 12kW  |
|                 | IT6015B-80-450  | 450A    | 15kW             |       | IT6018B-300-225  | 225A            | 18kW  |       | IT6018B-500-120 | 120A    | 18kW  |
|                 | IT6030B-80-900  | 900A    | 30kW             |       | IT6036B-300-450  | 450A            | 36kW  |       | IT6036B-500-240 | 240A    | 36kW  |
|                 | IT6045B-80-1350 | 1350A   | 45kW             |       | IT6054B-300-675  | 675A            | 54kW  |       | IT6054B-500-360 | 360A    | 54kW  |
|                 | IT6060B-80-1800 | 1800A   | 60kW             |       | IT6072B-300-900  | 900A            | 72kW  |       | IT6072B-500-480 | 480A    | 72kW  |
|                 | IT6075B-80-2040 | 2040A   | 75kW             |       | IT6090B-300-1125 | 1125A           | 90kW  |       | IT6090B-500-600 | 600A    | 90kW  |
|                 | IT6090B-80-2040 | 2040A   | 90kW             |       | IT6108B-300-1350 | 1350A           | 108kW |       | IT6108B-500-720 | 720A    | 108kW |
|                 | IT6105B-80-2040 | 2040A   | 105kW            |       | IT6126B-300-1575 | 1575A           | 126kW |       | IT6126B-500-840 | 840A    | 126kW |
| IT6120B-80-2040 | 2040A           | 120kW   | IT6144B-300-1800 | 1800A | 144kW            | IT6144B-500-960 | 960A  | 144kW |                 |         |       |

|      | Model           | Current | Power |       | Model            | Current | Power |       | Model            | Current | Power |  |  |
|------|-----------------|---------|-------|-------|------------------|---------|-------|-------|------------------|---------|-------|--|--|
| 800V | IT6006B-800-25  | 25A     | 6kW   | 1500V | IT6018B-1500-40  | 40A     | 18kW  | 2250V | IT6018B-2250-25  | 25A     | 18kW  |  |  |
|      | IT6012B-800-50  | 50A     | 12kW  |       | IT6036B-1500-80  | 80A     | 36kW  |       | IT6036B-2250-50  | 50A     | 36kW  |  |  |
|      | IT6018B-800-75  | 75A     | 18kW  |       | IT6054B-1500-120 | 120A    | 54kW  |       | IT6054B-2250-75  | 75A     | 54kW  |  |  |
|      | IT6036B-800-150 | 150A    | 36kW  |       | IT6072B-1500-160 | 160A    | 72kW  |       | IT6072B-2250-100 | 100A    | 72kW  |  |  |
|      | IT6054B-800-225 | 225A    | 54kW  |       | IT6090B-1500-200 | 200A    | 90kW  |       | IT6090B-2250-125 | 125A    | 90kW  |  |  |
|      | IT6072B-800-300 | 300A    | 72kW  |       | IT6108B-1500-240 | 240A    | 108kW |       | IT6108B-2250-150 | 150A    | 108kW |  |  |
|      | IT6090B-800-375 | 375A    | 90kW  |       | IT6126B-1500-280 | 280A    | 126kW |       | IT6126B-2250-175 | 175A    | 126kW |  |  |
|      | IT6108B-800-450 | 450A    | 108kW |       | IT6144B-1500-320 | 320A    | 144kW |       | IT6144B-2250-200 | 200A    | 144kW |  |  |
|      | IT6126B-800-525 | 525A    | 126kW |       |                  |         |       |       |                  |         |       |  |  |
|      | IT6144B-800-600 | 600A    | 144kW |       |                  |         |       |       |                  |         |       |  |  |

\* This information is subject to change without notice



# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6005B-80-150                                | IT6010B-80-300                                |
|---|------------------------|---|---|
|   |                        | Power Supply Parameters                       | Power Supply Parameters                       |
| Rated Value Range<br>(0 °C-40 °C)   | Output Voltage         | 0 ~ 80V                                       | 0 ~ 80V                                       |
|   | Output Current         | -150 ~ 150A                                   | -300 ~ 300A                                   |
|   | Output Power           | -5000 ~ 5000W                                 | -10000 ~ 10000W                               |
|   | Output Resistance      | 0 ~ 1Ω  | 0 ~ 1Ω  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.01%FS                                     | ≤ 0.01%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.02%FS                                     | ≤ 0.02%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Readback Resolution   | Voltage                | 0.001V  | 0.001V  |
|   | Current                | 0.01A   | 0.01A   |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.001Ω  | 0.001Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02%+0.02%FS                               | ≤ 0.02% +0.02%FS                              |
|   | Current                | ≤ 0.1%+0.1%FS                                 | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5%+0.5%FS                                 | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                   | ≤ 1% + 1%FS                                   |
| Ripple<br>(20Hz -20MHz)   | Voltage                | ≤ 32mVpp(MAX: ≤ 80mVpp)                       | ≤ 32mVpp(MAX: ≤ 80mVpp)                       |
|   | Current                | ≤ 0.1%FS RMS                                  | ≤ 0.1%FS RMS                                  |
| Rise time (no load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Rise time(full load)  | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (no load)   | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (full load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Dynamic Response Time   | Voltage                | ≤ 2ms   | ≤ 2ms   |
| Efficiency  |                        | ~ 90%   | ~ 90%   |
|   |                        | Load Parameters                               | Load Parameters                               |
| Rated Value Range<br>(0 °C-40 °C)   | Input Voltage          | 0 ~ 80V                                       | 0 ~ 80V                                       |
|   | Input Current          | 0 ~ 150A                                      | 0 ~ 300A                                      |
|   | Input Power            | 0 ~ 5000W                                     | 0 ~ 10000W                                    |
|   | Input Resistance       | 0.001 ~ 1067Ω                                 | 0.01 ~ 333Ω                                   |
|   | Min operating voltage  | 0.45V at 150A                                 | 0.45V at 300A                                 |
| Readback Resolution   | Voltage                | 0.001V  | 0.001V  |
|   | Current                | 0.01A   | 0.01A   |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.001Ω  | 0.001Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    | ≤ 1% + 1%FS                                   |
| Dynamic Response Time   | Rise Speed Rate        | 150A/ms                                       | 300A/ms                                       |
|   | Fall Speed Rate        | 150A/ms                                       | 300A/ms                                       |
|   | Dynamic Frequency      | 500Hz   | 500Hz   |
|   | Minimum Rise Time      | ≤ 1ms   | ≤ 1ms   |
| Output Parameter  | Output Voltage Range   | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) |
|   | Output Frequency Range | 47Hz ~ 63Hz                                   | 47Hz ~ 63Hz                                   |
|   | Max. Output Current    | L1,L2/17A;L3/0A                               | L1,L2/17A;L3/29A                              |
|   | Power Factor           | ≥ 0.99  | ≥ 0.99  |
|   | Island Protection      | Active Anti-islanding Protection              | Active Anti-islanding Protection              |
| Efficiency  |                        | ~ 90%   | ~ 90%   |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                           | 483W*801.61D*151.3H                           |
| Net weight  |                        | 20KG  | 30KG  |

\* This information is subject to change without notice

# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6015B-80-450                                | IT6006B-300-75                                |
|---|------------------------|---|---|
|   |                        | Power Supply Parameters                       | Power Supply Parameters                       |
| Rated Value Range<br>(0 °C-40 °C)   | Output Voltage         | 0 ~ 80V                                       | 0 ~ 300V                                      |
|   | Output Current         | -450 ~ 450A                                   | -75 ~ 75A                                     |
|   | Output Power           | -15000 ~ 15000W                               | -6000 ~ 6000W                                 |
|   | Output Resistance      | 0 ~ 1Ω  | 0 ~ 1Ω  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.01%FS                                     | ≤ 0.01%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.02%FS                                     | ≤ 0.02%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Readback Resolution   | Voltage                | 0.001V  | 0.01V   |
|   | Current                | 0.01A   | 0.001A  |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.001Ω  | 0.01Ω   |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                   | ≤ 1% + 1%FS                                   |
| Ripple<br>(20Hz -20MHz)   | Voltage                | ≤ 32mVpp(MAX: ≤ 80mVpp)                       | ≤ 120mVpp(MAX: ≤ 300mVpp)                     |
|   | Current                | ≤ 0.1%FS RMS                                  | ≤ 0.1%FS RMS                                  |
| Rise time (no load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Rise time(full load)  | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (no load)   | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (full load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Dynamic Response Time   | Voltage                | ≤ 2ms   | ≤ 2ms   |
| Efficiency  |                        | ~ 90%   | ~ 92%   |
|   |                        | Load Parameters                               | Load Parameters                               |
| Rated Value Range<br>(0 °C-40 °C)   | Input Voltage          | 0 ~ 80V                                       | 0 ~ 300V                                      |
|   | Input Current          | 0 ~ 450A                                      | 0 ~ 75A                                       |
|   | Input Power            | 0 ~ 15000W                                    | 0 ~ 6000W                                     |
|   | Input Resistance       | 0.001 ~ 356Ω                                  | 0.001 ~ 7500Ω                                 |
|   | Min operating voltage  | 0.45V at 450A                                 | 1.6V at 75A                                   |
| Readback Resolution   | Voltage                | 0.001V  | 0.01V   |
|   | Current                | 0.01A   | 0.001A  |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.0001Ω                                       | 0.01Ω   |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                   | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    |
| Dynamic Response Time   | Rise Speed Rate        | 450A/ms                                       | 75A/ms  |
|   | Fall Speed Rate        | 450A/ms                                       | 75A/ms  |
|   | Dynamic Frequency      | 500Hz   | 500Hz   |
|   | Minimum Rise Time      | ≤ 1ms   | ≤ 1ms   |
| Output Parameter  | Output Voltage Range   | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) |
|   | Output Frequency Range | 47Hz ~ 63Hz                                   | 47Hz ~ 63Hz                                   |
|   | Max. Output Current    | L1,L2/17A;L3/29A                              | L1,L2/20A;L3/0A                               |
|   | Power Factor           | ≥ 0.99  | ≥ 0.99  |
|   | Island Protection      | Active Anti-islanding Protection              | Active Anti-islanding Protection              |
| Efficiency  |                        | ~ 90%   | ~ 92%   |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                           | 483W*801.61D*151.3H                           |
| Net weight  |                        | 40KG  | 20KG  |

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# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6012B-300-150                               | IT6018B-300-225                               |
|---|------------------------|---|---|
|   |                        | Power Supply Parameters                       | Power Supply Parameters                       |
| Rated Value Range<br>(0 °C-40 °C)   | Output Voltage         | 0 ~ 300V                                      | 0 ~ 300V                                      |
|   | Output Current         | -150 ~ 150A                                   | -225 ~ 225A                                   |
|   | Output Power           | -12000 ~ 12000W                               | -18000 ~ 18000W                               |
|   | Output Resistance      | 0 ~ 1Ω  | 0 ~ 1Ω  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.01%FS                                     | ≤ 0.01%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.02%FS                                     | ≤ 0.02%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Readback Resolution   | Voltage                | 0.01V   | 0.01V   |
|   | Current                | 0.01A   | 0.01A   |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.001Ω  | 0.001Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                   | ≤ 1% + 1%FS                                   |
| Ripple<br>(20Hz -20MHz)   | Voltage                | ≤ 120mVpp(MAX: ≤ 300mVpp)                     | ≤ 120mVpp(MAX: ≤ 300mVpp)                     |
|   | Current                | ≤ 0.1%FS RMS                                  | ≤ 0.1%FS RMS                                  |
| Rise time (no load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Rise time(full load)  | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (no load)   | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (full load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Dynamic Response Time   | Voltage                | ≤ 2ms   | ≤ 2ms   |
| Efficiency  |                        | ~92%  | ~92%  |
|   |                        | Load Parameters                               | Load Parameters                               |
| Rated Value Range<br>(0 °C-40 °C)   | Input Voltage          | 0 ~ 300V                                      | 0 ~ 300V                                      |
|   | Input Current          | 0 ~ 150A                                      | 0 ~ 225A                                      |
|   | Input Power            | 0 ~ 12000W                                    | 0 ~ 18000W                                    |
|   | Input Resistance       | 0.001 ~ 4000Ω                                 | 0.001 ~ 2667Ω                                 |
|   | Min operating voltage  | 1.6V at 150A                                  | 1.6V at 225A                                  |
| Readback Resolution   | Voltage                | 0.01V   | 0.01V   |
|   | Current                | 0.01A   | 0.01A   |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.001Ω  | 0.001Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    |
| Dynamic Response Time   | Rise Speed Rate        | 150A/ms                                       | 225A/ms                                       |
|   | Fall Speed Rate        | 150A/ms                                       | 225A/ms                                       |
|   | Dynamic Frequency      | 500Hz   | 500Hz   |
|   | Minimum Rise Time      | ≤ 1ms   | ≤ 1ms   |
| Output Parameter  | Output Voltage Range   | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) |
|   | Output Frequency Range | 47Hz ~ 63Hz                                   | 47Hz ~ 63Hz                                   |
|   | Max. Output Current    | L1,L2/20A;L3/34A                              | 28A   |
|   | Power Factor           | ≥ 0.99  | ≥ 0.99  |
|   | Island Protection      | Active Anti-islanding Protection              | Active Anti-islanding Protection              |
| Efficiency  |                        | ~92%  | ~92%  |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                           | 483W*801.61D*151.3H                           |
| Net weight  |                        | 30KG  | 40KG  |

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# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6006B-500-40                            | IT6012B-500-80                            |
|---|------------------------|---|---|
|   |                        | Power Supply Parameters                   | Power Supply Parameters                   |
| Rated Value Range<br>(0℃-40℃)   | Output Voltage         | 0~500V                                    | 0~500V                                    |
|   | Output Current         | -40~40A                                   | -80~80A                                   |
|   | Output Power           | -6000~6000W                               | -12000~12000W                             |
|   | Output Resistance      | 0~1Ω                                      | 0~1Ω                                      |
| Line Regulation<br>±(% of Output+Offset)                                | Voltage                | ≤0.01%FS                                  | ≤0.01%FS                                  |
|   | Current                | ≤0.05%FS                                  | ≤0.05%FS                                  |
| Load Regulation<br>±(% of Output+Offset)                                | Voltage                | ≤0.02%FS                                  | ≤0.02%FS                                  |
|   | Current                | ≤0.05%FS                                  | ≤0.05%FS                                  |
| Readback Resolution   | Voltage                | 0.01V                                     | 0.01V                                     |
|   | Current                | 0.001A                                    | 0.001A                                    |
|   | Power                  | 0.001kW                                   | 0.001kW                                   |
|   | Resistance             | 0.01Ω                                     | 0.01Ω                                     |
| Readback Accuracy<br>(Within 12 months-25℃±5℃)<br>±(% of Output+Offset) | Voltage                | ≤0.02% + 0.02%FS                          | ≤0.02% + 0.02%FS                          |
|   | Current                | ≤0.1% + 0.1%FS                            | ≤0.1% + 0.1%FS                            |
|   | Power                  | ≤0.5% + 0.5%FS                            | ≤0.5% + 0.5%FS                            |
|   | Resistance             | ≤1% + 1%FS                                | ≤1% + 1%FS                                |
| Ripple<br>(20Hz-20MHz)  | Voltage                | ≤200mVpp(MAX: ≤500mVpp)                   | ≤200mVpp(MAX: ≤500mVpp)                   |
|   | Current                | ≤0.1%FS RMS                               | ≤0.1%FS RMS                               |
| Rise time (no load)   | Voltage                | ≤15ms                                     | ≤15ms                                     |
| Rise time(full load)  | Voltage                | ≤30ms                                     | ≤30ms                                     |
| Fall time (no load)   | Voltage                | ≤30ms                                     | ≤30ms                                     |
| Fall time (full load)   | Voltage                | ≤15ms                                     | ≤15ms                                     |
| Dynamic Response Time   | Voltage                | ≤2ms                                      | ≤2ms                                      |
| Efficiency  |                        | ~92%                                      | ~92%                                      |
|   |                        | Load Parameters                           | Load Parameters                           |
| Rated Value Range<br>(0℃-40℃)   | Input Voltage          | 0~500V                                    | 0~500V                                    |
|   | Input Current          | 0~40A                                     | 0~80A                                     |
|   | Input Power            | 0~6000W                                   | 0~12000W                                  |
|   | Input Resistance       | 0.001~7500Ω                               | 0.001~7500Ω                               |
|   | Min operating voltage  | 2.4V at 40A                               | 2.4V at 80A                               |
| Readback Resolution   | Voltage                | 0.01V                                     | 0.01V                                     |
|   | Current                | 0.001A                                    | 0.001A                                    |
|   | Power                  | 0.001kW                                   | 0.001kW                                   |
|   | Resistance             | 0.01Ω                                     | 0.01Ω                                     |
| Readback Accuracy<br>(Within 12 months-25℃±5℃)<br>±(% of Output+Offset) | Voltage                | ≤0.02% + 0.02%FS                          | ≤0.02% + 0.02%FS                          |
|   | Current                | ≤0.1% + 0.1%FS                            | ≤0.1% + 0.1%FS                            |
|   | Power                  | ≤0.5% + 0.5%FS                            | ≤0.5% + 0.5%FS                            |
|   | Resistance             | ≤2%Rmax,0~10%Rmax; ≤5%Rmax,10%~Rmax;      | ≤2%Rmax,0~10%Rmax; ≤5%Rmax,10%~Rmax;      |
| Dynamic Response Time   | Rise Speed Rate        | 40A/ms                                    | 80A/ms                                    |
|   | Fall Speed Rate        | 40A/ms                                    | 80A/ms                                    |
|   | Dynamic Frequency      | 500Hz                                     | 500Hz                                     |
|   | Minimum Rise Time      | ≤1ms                                      | ≤1ms                                      |
| Output Parameter  | Output Voltage Range   | 198V~264V (Decrease 50%) 342V~528V (3P4W) | 198V~264V (Decrease 50%) 342V~528V (3P4W) |
|   | Output Frequency Range | 47Hz~63Hz                                 | 47Hz~63Hz                                 |
|   | Max. Output Current    | L1,L2/20A;L3/0A                           | L1,L2/20A;L3/34A                          |
|   | Power Factor           | ≥0.99                                     | ≥0.99                                     |
|   | Island Protection      | Active Anti-islanding Protection          | Active Anti-islanding Protection          |
| Efficiency  |                        | ~92%                                      | ~92%                                      |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                       | 483W*801.61D*151.3H                       |
| Net weight  |                        | 20KG                                      | 30KG                                      |

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# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6018-500-120                                | IT6006B-800-25                                |
|---|------------------------|---|---|
|   |                        | Power Supply Parameters                       | Power Supply Parameters                       |
| Rated Value Range<br>(0 °C-40 °C)   | Output Voltage         | 0 ~ 500V                                      | 0 ~ 800V                                      |
|   | Output Current         | -120 ~ 120A                                   | -25 ~ 25A                                     |
|   | Output Power           | -18000 ~ 18000W                               | -6000 ~ 6000W                                 |
|   | Output Resistance      | 0 ~ 1Ω  | 0 ~ 1Ω  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.01%FS                                     | ≤ 0.01%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.02%FS                                     | ≤ 0.02%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Readback Resolution   | Voltage                | 0.01V   | 0.01V   |
|   | Current                | 0.01A   | 0.001A  |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.01Ω   | 0.1Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                   | ≤ 1% + 1%FS                                   |
| Ripple<br>(20Hz -20MHz)   | Voltage                | ≤ 200mVpp(MAX: ≤ 500mVpp)                     | ≤ 800mVpp(MAX: ≤ 1.2Vpp)                      |
|   | Current                | ≤ 0.1%FS RMS                                  | ≤ 0.1%FS RMS                                  |
| Rise time (no load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Rise time(full load)  | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (no load)   | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (full load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Dynamic Response Time   | Voltage                | ≤ 2ms   | ≤ 2ms   |
| Efficiency  |                        | ~92%  | ~92%  |
|   |                        | Load Parameters                               | Load Parameters                               |
| Rated Value Range<br>(0 °C-40 °C)   | Input Voltage          | 0 ~ 500V                                      | 0 ~ 800V                                      |
|   | Input Current          | 0 ~ 120A                                      | 0 ~ 25A                                       |
|   | Input Power            | 0 ~ 18000W                                    | 0 ~ 6000W                                     |
|   | Input Resistance       | 0.001 ~ 7500Ω                                 | 0.001 ~ 7500Ω                                 |
|   | Min operating voltage  | 2.4V at 120A                                  | 2.1V at 25A                                   |
| Readback Resolution   | Voltage                | 0.01V   | 0.01V   |
|   | Current                | 0.01A   | 0.001A  |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.01Ω   | 0.1Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    |
| Dynamic Response Time   | Rise Speed Rate        | 120A/ms                                       | 25A/ms  |
|   | Fall Speed Rate        | 120A/ms                                       | 25A/ms  |
|   | Dynamic Frequency      | 500Hz   | 500Hz   |
|   | Minimum Rise Time      | ≤ 1ms   | ≤ 1ms   |
| Output Parameter  | Output Voltage Range   | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) |
|   | Output Frequency Range | 47Hz ~ 63Hz                                   | 47Hz ~ 63Hz                                   |
|   | Max. Output Current    | 28A   | L1,L2/20A;L3/0A                               |
|   | Power Factor           | ≥ 0.99  | ≥ 0.99  |
|   | Island Protection      | Active Anti-islanding Protection              | Active Anti-islanding Protection              |
| Efficiency  |                        | ~92%  | ~92%  |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                           | 483W*801.61D*151.3H                           |
| Net weight  |                        | 40KG  | 20KG  |

\* This information is subject to change without notice

# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6012B-800-50                             | IT6018B-800-75                                |
|---|------------------------|--|---|
|   |                        | Power Supply Parameters                    | Power Supply Parameters                       |
| Rated Value Range<br>(0 °C-40 °C)   | Output Voltage         | 0 ~ 800V                                   | 0 ~ 800V                                      |
|   | Output Current         | -50 ~ 50A                                  | -75 ~ 75A                                     |
|   | Output Power           | -12000 ~ 12000W                            | -18000 ~ 18000W                               |
|   | Output Resistance      | 0 ~ 1Ω                                     | 0 ~ 1Ω  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.01%FS                                  | ≤ 0.01%FS                                     |
|   | Current                | ≤ 0.05%FS                                  | ≤ 0.05%FS                                     |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.02%S                                   | ≤ 0.02%FS                                     |
|   | Current                | ≤ 0.05%FS                                  | ≤ 0.05%FS                                     |
| Readback Resolution   | Voltage                | 0.01V                                      | 0.01V   |
|   | Current                | 0.001A                                     | 0.001A  |
|   | Power                  | 0.001kW                                    | 0.001kW                                       |
|   | Resistance             | 0.01Ω                                      | 0.01Ω   |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                          | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                            | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                            | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                | ≤ 1% + 1%FS                                   |
| Ripple<br>(20Hz -20MHz)   | Voltage                | ≤ 800mVpp(MAX: ≤ 1.2Vpp)                   | ≤ 320mVpp(MAX: ≤ 800mVpp)                     |
|   | Current                | ≤ 0.1%FS RMS                               | ≤ 0.1%FS RMS                                  |
| Rise time (no load)   | Voltage                | ≤ 15ms                                     | ≤ 15ms  |
| Rise time(full load)  | Voltage                | ≤ 30ms                                     | ≤ 30ms  |
| Fall time (no load)   | Voltage                | ≤ 30ms                                     | ≤ 30ms  |
| Fall time (full load)   | Voltage                | ≤ 15ms                                     | ≤ 15ms  |
| Dynamic Response Time   | Voltage                | ≤ 2ms                                      | ≤ 2ms   |
| Efficiency  |                        | ~ 92%                                      | ~ 92%   |
|   |                        | Load Parameters                            | Load Parameters                               |
| Rated Value Range<br>(0 °C-40 °C)   | Input Voltage          | 0 ~ 800V                                   | 0 ~ 800V                                      |
|   | Input Current          | 0 ~ 50A                                    | 0 ~ 75A                                       |
|   | Input Power            | 0 ~ 12000W                                 | 0 ~ 18000W                                    |
|   | Input Resistance       | 0.001 ~ 7500Ω                              | 0.001 ~ 7500Ω                                 |
|   | Min operating voltage  | 2.1V at 50A                                | 2.1V at 75A                                   |
| Readback Resolution   | Voltage                | 0.01V                                      | 0.01V   |
|   | Current                | 0.001A                                     | 0.001A  |
|   | Power                  | 0.001kW                                    | 0.001kW                                       |
|   | Resistance             | 0.01Ω                                      | 0.01Ω   |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                          | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                            | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                            | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax; | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    |
| Dynamic Response Time   | Rise Speed Rate        | 50A/ms                                     | 75A/ms  |
|   | Fall Speed Rate        | 50A/ms                                     | 75A/ms  |
|   | Dynamic Frequency      | 500Hz                                      | 500Hz   |
|   | Minimum Rise Time      | ≤ 1ms                                      | ≤ 1ms   |
|   | Output Parameter       | Output Voltage Range                       | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) |
|   | Output Frequency Range | 47Hz ~ 63Hz                                | 47Hz ~ 63Hz                                   |
|   | Max. Output Current    | L1,L2/20A;L3/34A                           | 28A   |
|   | Power Factor           | ≥ 0.99                                     | ≥ 0.99  |
|   | Island Protection      | Active Anti-islanding Protection           | Active Anti-islanding Protection              |
| Efficiency  |                        | ~ 92%                                      | ~ 92%   |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                        | 483W*801.61D*151.3H                           |
| Net weight  |                        | 30KG                                       | 40KG  |

\* This information is subject to change without notice

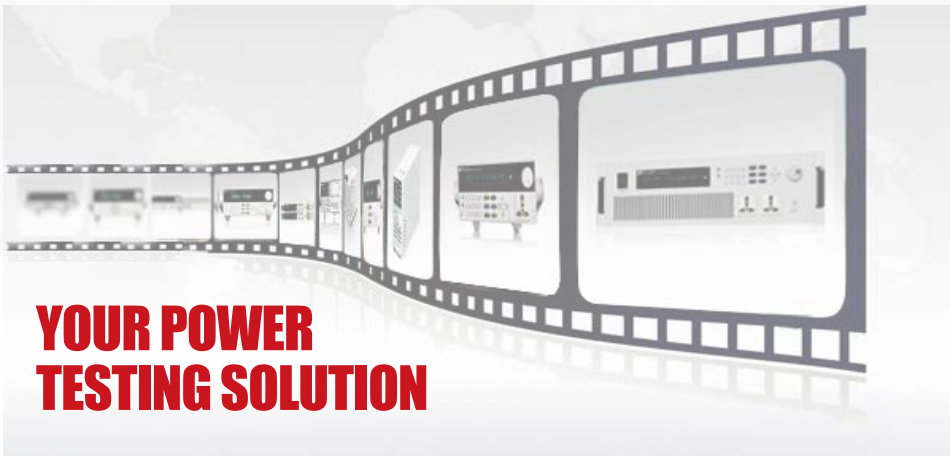
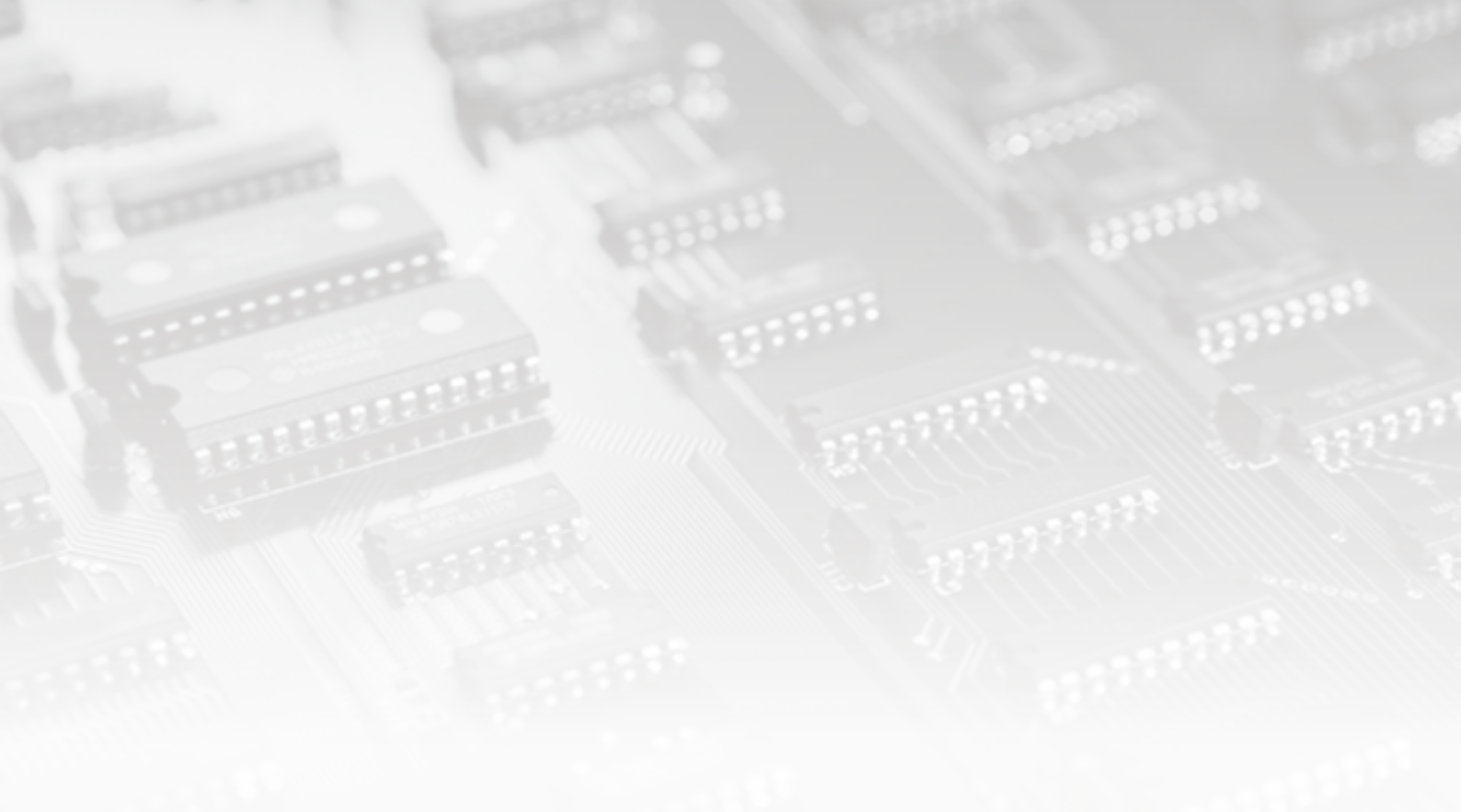
# Your Power Testing Solution

## IT6000B Regenerative Power System

### Specification

|   |                        | IT6018B-1500-40                               | IT6018B-2250-25                               |
|---|------------------------|---|---|
|   |                        | Power Supply Parameters                       | Power Supply Parameters                       |
| Rated Value Range<br>(0 °C-40 °C)   | Output Voltage         | 0 ~ 1500V                                     | 0 ~ 2250V                                     |
|   | Output Current         | -40 ~ 40A                                     | -25 ~ 25A                                     |
|   | Output Power           | -18000 ~ 18000W                               | -18000 ~ 18000W                               |
|   | Output Resistance      | 0 ~ 1Ω  | 0 ~ 1Ω  |
| Line Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.01%FS                                     | ≤ 0.01%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Load Regulation<br>±(% of Output+Offset)                                    | Voltage                | ≤ 0.02%FS                                     | ≤ 0.02%FS                                     |
|   | Current                | ≤ 0.05%FS                                     | ≤ 0.05%FS                                     |
| Readback Resolution   | Voltage                | 0.1V  | 0.1V  |
|   | Current                | 0.001A  | 0.001A  |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.1Ω  | 0.1Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 1% + 1%FS                                   | ≤ 1% + 1%FS                                   |
| Ripple<br>(20Hz -20MHz)   | Voltage                | ≤ 600mVpp(MAX: ≤ 1500mVpp)                    | ≤ 900mVpp(MAX: ≤ 2250mVpp)                    |
|   | Current                | ≤ 0.1%FS RMS                                  | ≤ 0.1%FS RMS                                  |
| Rise time (no load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Rise time(full load)  | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (no load)   | Voltage                | ≤ 30ms  | ≤ 30ms  |
| Fall time (full load)   | Voltage                | ≤ 15ms  | ≤ 15ms  |
| Dynamic Response Time   | Voltage                | ≤ 2ms   | ≤ 2ms   |
| Efficiency  |                        | ~ 92%   | ~ 92%   |
|   |                        | Load Parameters                               | Load Parameters                               |
| Rated Value Range<br>(0 °C-40 °C)   | Input Voltage          | 0 ~ 1500V                                     | 0 ~ 2250V                                     |
|   | Input Current          | 0 ~ 40A                                       | 0 ~ 25A                                       |
|   | Input Power            | 0 ~ 18000W                                    | 0 ~ 18000W                                    |
|   | Input Resistance       | 0.001 ~ 7500Ω                                 | 0.001 ~ 7500Ω                                 |
|   | Min operating voltage  | 7.2V at 40A                                   | 6.25V at 25A                                  |
| Readback Resolution   | Voltage                | 0.1V  | 0.1V  |
|   | Current                | 0.001A  | 0.001A  |
|   | Power                  | 0.001kW                                       | 0.001kW                                       |
|   | Resistance             | 0.1Ω  | 0.1Ω  |
| Readback Accuracy<br>(Within 12 months-25 °C±5 °C)<br>±(% of Output+Offset) | Voltage                | ≤ 0.02% + 0.02%FS                             | ≤ 0.02% + 0.02%FS                             |
|   | Current                | ≤ 0.1% + 0.1%FS                               | ≤ 0.1% + 0.1%FS                               |
|   | Power                  | ≤ 0.5% + 0.5%FS                               | ≤ 0.5% + 0.5%FS                               |
|   | Resistance             | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    | ≤ 2%Rmax,0 ~ 10%Rmax; ≤ 5%Rmax,10% ~ Rmax;    |
| Dynamic Response Time   | Rise Speed Rate        | 40A/ms  | 25A/ms  |
|   | Fall Speed Rate        | 40A/ms  | 25A/ms  |
|   | Dynamic Frequency      | 500Hz   | 500Hz   |
|   | Minimum Rise Time      | ≤ 1ms   | ≤ 1ms   |
| Output Parameter  | Output Voltage Range   | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) | 198V ~ 264V (Decrease 50%) 342V ~ 528V (3P4W) |
|   | Output Frequency Range | 47Hz ~ 63Hz                                   | 47Hz ~ 63Hz                                   |
|   | Max. Output Current    | 28A   | 28A   |
|   | Power Factor           | ≥ 0.99  | ≥ 0.99  |
|   | Island Protection      | Active Anti-islanding Protection              | Active Anti-islanding Protection              |
| Efficiency  |                        | ~ 92%   | ~ 92%   |
| Dimension (mm)  |                        | 483W*801.61D*151.3H                           | 483W*801.61D*151.3H                           |
| Net weight  |                        | 40KG  | 40KG  |

\* This information is subject to change without notice



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