



IT6164B

## IT6160B High-power DC Power Supply

With ITECH latest design, as a series of programmable high-power DC power supply, IT6160Bseries has multiple functions and excellent output. The main difference between IT6162B and IT6164B is the output range. IT6164B is a dual range high-power linear power supply, IT6162B is not. Integrates ITECH latest design output waveform priority mode, IT6160B can realize the voltage or current waveform fast rising without overshoot. Combined with ultrafast rising speed and high reliability, one set of IT6160B series power supply can meet diversify application requirements. Let your test to be simple and high efficiency.

### Features

- High visibility vacuum fluorescent display (VFD)
- Linear regulation output, high speed and high reliability.
- High accuracy and high resolution 1mV/1mA
- Ultrafast voltage slew rate (Full load), IT 6162B up to 500μS, IT6164B up to 1mS
- Thermostatically controlled fan
- Low noise
- Built-in RS232/USB/GPIB interfaces
- Numerical keypad and rotary knob designed for simple programming
- Remote Sense
- Built-in 51/2 voltmeter and milli-ohm meter
- OVP/OC/OTP

Parameters		IT6162B		IT6164B	
Output Rating (0℃- 40℃)	Voltage	0-20V		0-30V	
	Current	0-50A		0-40A	
	Power	1000W		1200W	
Load Regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV			
	Current	≤0.1%+10mA			
Line Regulation ±(%of Output+Offset)	Voltage	≤0.02%+2mV			
	Current	≤0.1%+2mA			
Setup Resolution	Voltage	1mV			
	Current	1mA			
Read back Resolution	Voltage	1mV			
	Current	1mA			
Setup Accuracy (Within 12 months,25℃±5℃) ±(%of Output+Offset)	Voltage	≤0.02%+2mV		≤0.02%+5mV	
	Current	≤0.1%+25mA		≤0.1%+20mA	
Readback Accuracy (Within 12 months,25℃±5℃) ±(%of Output+Offset)	Voltage	≤0.02%+2mV		≤0.02%+5mV	
	Current	≤0.05%+15mA			
Ripple (20Hz-20MHz)	Voltage	≤ 4mVp-p/ 1.2 mVrms		≤ 5mVp-p/ 1.2 mVrms	
	Current	≤15mA <sub>rms</sub>			
InputRating	Voltage1	110V±10%		220V±10%	
	Voltage2	120V±10%			
	Voltage3	220V±10%			
	Voltage4	230V±10%			
	Frequency	22047HZ-63HZV±10%			
Operation Temperature		0~40℃			
Dimension		429mmW*88.2mmH*354.6mmD		429mmW*88.2mmH*585mmD	
Weight (net)		30Kg			