



#### IT8812 120V/30A/250W

IT8800 series is a singlechannel programmable electronic load. With wide power ranges from 150W to 600KW, currents from 30A to 1000A. Users are able to control the units remotely via RS232, USB and GPIB interface. IT8800 series provide a unique CR-LED mode which allows users to simulate LED performance truthfully. Also the necessary measurement functions and short circuit simulation that extend the test capability for ATE applications. This series are designed to test DC power sources, power electronic devices, automotive battery and components testing.

#### ■ Feature

- CC/CV/CR/CW/CZ operating modes
- high resolution of 0.1 mV and 0.01 mA
- Up to 50KHZ measurement speed of voltage and current
- Unique CR-LED mode for LED driver testing
- Automatic test function
- OCP and OPP mode to get the over current and over power level
- OVP/OCP/OPP/OTP and reverse voltage protection
- Bright VFD display
- Transient mode up to 25 kHz
- List mode- minimum 20 us step width with 84 user programmable steps
- Adjustable slew rate in CC mode
- 100 memory areas to save/recall setting parameters
- Standard USB, GPIB and RS-232 interface with SCPI protocol support

#### ■ Specifications

Input Rating	-	150W / 120V / 30A	
CC-MODE	Range	0-3A	0-30A
	Resolution	0.1mA	1mA
	Accuracy	$\pm(0.05\%+0.05\%FS)$	$\pm(0.05\%+0.05\%FS)$
CR-MODE	Range	0.05 $\Omega$ ~10 $\Omega$	10 $\Omega$ ~7.5K $\Omega$
	Resolution	16bit	
	Accuracy	0.01%+0.08S	0.01%+0.0008S
CV-MODE	Range	0-18V	0-120V
	Resolution	1mV	10mV
	Accuracy	$\pm(0.05\%+0.02\%FS)$	$\pm(0.05\%+0.025\%FS)$
CW-MODE	Range	0-250W	
	Resolution	10mW	
	Accuracy	0.1%+0.1%FS	
V - Measurement	Range	0-18V	0-120V
	Resolution	0.1mV	1mV
	Accuracy	$\pm(0.025\%+0.025\%FS)$	$\pm(0.025\%+0.025\%FS)$
A - Measurement	Range	0-3A	0-30A
	Resolution	0.01mA	0.1mA
	Accuracy	$\pm(0.05\%+0.05\%FS)$	
Short Circuit	Current	$\approx 3.3/3A$	$\approx 33/30A$
	Resistance	$\approx 35m\Omega$	
Temperature	Operating	0-40°C	
Dimension(mm)	W * H * D	214.5 * 354.6 * 88.2	

#### ■ Standard Accessories

- Power cord
- Test report
- User manual
- USB cable

#### ■ Optional Accessories

- Rack mount kit IT-E151