



IT8800 Series DC Electronic Load



IT8800 series programmable high-accuracy electronic load supplies especial CR-LED mode to support LED driver test and to be applied to imitating LED lamp. The power of single equipment can reach up to 300KW, The highest resolution of voltage and current is 0.1mV and 0.01mA.

IT8800 is equipped with build-in RS232, USB, GPIB. And software IT7000 makes it convenient to control instrument remotely.

Specifications

Parameter		IT8813B	
Rated value (0 °C - 40 °C)	Voltage	0~500V	
	Current	0~3A	0~30A
	Power	750W	
	MOV	0.15V/3A	1.5V/30A
CV Mode	Range	0~50V	0~500V
	Resolution	1mV	10mV
	Accuracy	±(0.025%+0.05%FS)	±(0.025%+0.05%FS)
CC Mode	Range	0~3A	0~30A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR Mode	Range	0.15Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S	0.01%+0.008S
CW Mode	Range	750W	
	Resolution	10mW	
	Accuracy	0.2%+0.2%FS	
Dynamic mode(CC mode)	T1&T2	20uS~3600S /Res:1 uS	
	Accuracy	5 uS±100ppm	
	Up/down slope	0.0001~0.25A/uS	0.001~2.5A/uS
Measuring range			
Readback Voltage	Range	0~50V	0~500V
	Resolution	1 mV	10 mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback Current	Range	0~3A	0~30A
	Resolution	0.1mA	1mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	750W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≅ 750W	
OCP		≅ 3.3A	≅ 33A
OVP		≅ 500V	
OTP		≅ 85°C	
Specification			
Short circuit	CC	≅ 3.3/3A	≅ 33/30A
	CV	≅ 0V	
	CR	≅ 150mΩ	
Input impedance	1MΩ		
Dimension	439mmW*580mmD*133.3mmH		

Feature

- VFD display
- High accuracy and high resolution
- Measuring speed of voltage and current: up to 50KHz
- Adjustable rising slope and decending slope
- Five working modes: CC/ CV/ CR/ CW/ CZ
- CR-LED test
- OVP/OCP/OPP/OTP function
- Support VISA / USBTMC/ SCPI communication protocol
- Built-in GPIB/USB/RS232 communication interface
- Remote sensing function
- Monitor by computer via software

Standard accessories

- Power cord
- Calibration report
- User's manual