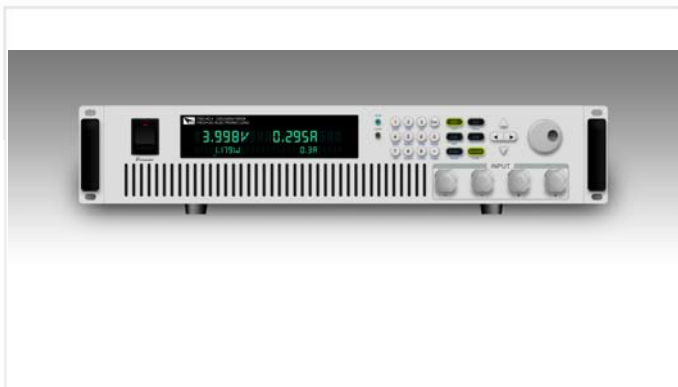




IT8500+ Series DC Electronic Load



IT8500+ series is a single-channel programmable electronic load. With power ranges from 150W to 1500W. The user can perform online voltage measurements and adjustments or simulate short circuit test using the simple keypad on the front panel. It also offers a full-featured battery mode for discharging test. IT8500+ series DC loads are a versatile instrument for static and dynamic testing of power supplies, batteries, DC-DC converters, battery chargers, provides user the best testing solution.

Specification

Parameter		IT8514C+	
Rated value (0 °C - 40 °C)	Voltage	0~120V	
	Current	0~24A	0~240A
	Power	1500W	
	MOV	0.25V/24A	2.5V/240A
CV mode	Range	0~18V	0~120V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.02 %FS)	±(0.05%+0.025%FS)
CC mode	Range	0~24A	0~240A
	Resolution	1mA	10mA
	Accuracy	±(0.05%+0.05 %FS)	±(0.05%+0.05%FS)
CR mode	Range	0.05Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S	0.01%+0.008S
CW mode	Range	1500W	
	Resolution	10mW	
	Accuracy	0.2%+0.2%FS	
Dynamic mode(CC mode)	T1&T2	100uS~3600S /Res:1 uS	
	Accuracy	10uS±100ppm	
	Up/down slope	0.001~0.3A/uS	0.01~3.2A/uS
Measuring range			
Readback Voltage	Range	0~18V	0~120V
	Resolution	0.1 mV	1mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback Current	Range	0~24A	0~240A
	Resolution	1mA	10mA
	Accuracy	±(0.05%+0.05%FS)	
Readback power	Range	1500W	
	Resolution	10mW	
	Accuracy	±(0.2%+0.2%FS)	
Protection range			
OPP		≒ 1500W	
OCP		≒ 26.7A	≒ 267A
OVP		≒ 125V	
OTP		≒ 85℃	
Specification			
Short circuit	CC	≒ 26.7/24A	≒ 267/240A
	CV	≒ 0V	
	CR	≒ 8mΩ	
Input impedance	150KΩ		
Dimension	436.5mmW*463.5mmD*88.2mmH		

Feature

- CC/CV/CR/CW operating modes
- high resolution of 0.1 mV and 0.1 mA
- Transient mode up to 10 kHz
- Up to 40KHZ measurement speed of voltage and current
- List mode— minimum 50us step width with 84 user programmable steps
- Adjustable slew rate in CC mode
- Professional battery mode
- Automatic test function
- Short mode
- 100 memory areas to save/recall setting parameters
- OCP and OPP mode to test the over current and over power points
- OVP/OCP/OPP/OTP and reverse voltage protection

Standard accessories

- Power cord
- Calibration report
- User's manual