



### IT8512 120V / 30A / 300W

High performance and affordable single channel DC electronic load. IT8500 DC electronic loads provide you with the flexibility to test a wide range of applications from power supply, charger to battery. The high resolution voltage (1mV), current(0.1mA) measurement system provides both accuracy and convenience, and eliminates the need for a DMM, external shunts and wiring. IT8500 DC electronic loads are the most cost effective choose in your power testing application.

#### ■ Feature

- High accuracy and resolution 1mV/0.1mA
- CC / CV / CR / CW Operation Mode
- Free software for remote control
- Intellective fan cooling
- GPIB / USB / RS232 Interface
- Self-test at power-on
- OCP / OVP / OPP / OTP Protection
- VFD display
- Battery test and short test function
- Convenient numeric keypad
- Remote sensing capability
- Auto test function without Computer

#### ■ Specifications

Input Rating	-	300W / 120V / 30A	
CC-MODE	Range	0-3A	0-30A
	Resolution	0.1mA	1mA
	Accuracy	0.05%+0.1%FS	0.1%+0.1%FS
CR-MODE	Range	0.1-99Ω	100-4KΩ
	Resolution	0.01Ω	1Ω
	Accuracy	1%+0.3%FS	1%+0.8%FS
CV-MODE	Range	0-18V	0-120V
	Resolution	1mV	10mV
	Accuracy	0.05%+0.02%FS	0.05%+0.025%FS
CW-MODE	Range	0-100W	100-300W
	Resolution	1mW	10mW
	Accuracy	1%+0.1%FS	1%+0.1%FS
V - Measurement	Range	0-18V	0-120V
	Resolution	1mV	10mV
	Accuracy	0.02% + 0.02%FS	0.02% + 0.025%FS
A - Measurement	Range	0-3A	0-30A
	Resolution	0.1mA	1mA
	Accuracy	0.1% + 0.1%FS	0.2% + 0.15%FS
Short Circuit	Current	≈30A	
	Resistance	≈40mΩ	
Tempature	Operating	0-40	
Battery Test	Capacity	MAX 999AH	
Transition	Frequency	0.1Hz - 1KHz	
Dimension(mm)	W * H * D	214.5 * 88.2 * 354.6	

### ■ **Standard Accessories**

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- AC INPUT CABLE
- USER Manual
- Calibration Report

### ■ **Optional Accessories**

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- IT-E131 RS232 Communication Cable
- IT-E132 USB Communication Cable
- IT-E134 GPIB Communication Cable
- IT-E151 19" Rack Mount Kit
- IT-E253 Remote Controller
- IT-E163 0-10V analog interface for setting and monitoring