



IT8732B 500V/20A/300W

The IT8700 series is a multi-channel programmable DC electronic load system. It is configured by installing user-selectable modules into the mainframe. Support up to a total of 16 channels. With programming and remote control capabilities via built-in USB, RS232, LAN or GPIB interface. It can be used in one of five different operation modes: CC/CR/CV/CW/CZ.

IT8700 series can provide multiple solutions according to the requirements of your design and is suitable for testing a wide range of power sources from multi-output DC power supplies to batteries, fuel cells and photovoltaic arrays.

Feature

- CC/CV/CR/CW/CZ operating modes
- Bright VFD display for both mainframe and modules
- Supports up to 16 channels with mainframe extension
- 16-bit voltage and current metering providing high resolution of 0.1 mV and 0.01 mA
- List mode (sequence mode) ? minimum 20 μ s step width with 84 user programmable steps
- Automatic test function
- Standard LAN, GPIB, USB, and RS-232 interface with SCPI protocol support
- Removable modules for easy system flexibility
- Power range up to 2400 W (4800 W with mainframe extension)
- Synchronous load on/off function
- Transient mode up to 25 kHz
- Adjustable slew rate in CC mode
- 10 memory areas to save/recall setting parameters
- OVP/OCP/OPP/OTP and reverse voltage protection

Specifications

Input Rating	-	300W / 500V / 20A	
CC-MODE	Range	0-3A	0-20A
	Resolution	0.1mA	1mA
	Accuracy	$\pm(0.05\%+0.05\%FS)$	$\pm(0.05\%+0.05\%FS)$
CR-MODE	Range	0.25 Ω ~10 Ω	10 Ω ~7.5K Ω
	Resolution	16bit	
	Accuracy	0.01%+0.08S	0.01%+0.0008S
CV-MODE	Range	0-18V	0-500V
	Resolution	1mV	10mV
	Accuracy	$\pm(0.05\%+0.02\%FS)$	$\pm(0.05\%+0.025\%FS)$
CW-MODE	Range	0-300W	
	Resolution	10mW	
	Accuracy	0.2%+0.2%FS	
V - Measurement	Range	0-18V	0-500V
	Resolution	1mV	10mV
	Accuracy	$\pm(0.025\%+0.025\%FS)$	$\pm(0.025\%+0.025\%FS)$
A - Measurement	Range	0-3A	0-20A
	Resolution	0.01mA	0.1mA
	Accuracy	$\pm(0.05\%+0.05\%FS)$	
Short Circuit	Current	$\approx 3.3/3A$	$\approx 22/20A$
	Resistance	$\approx 220m\Omega$	
Temperature	Operating	0-40 $^{\circ}C$	
Dimension(mm)	W * H * D	82 * 183 * 573	

Standard Accessories

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

Optional Accessories

- Rack mount kit IT-E153