IT8733B 500V/30A/500W

The IT8700 series is a mulit-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 capacilities 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 seires can provide multiple solutions according to the requirements of your design and is suitable for testing a wide range of power sources from mulit-ouput 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 us 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	-	500W / 500V /30A	
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	0.2Ω~10Ω	10Ω~7.5KΩ
	Resolution	16bit	
	Accuracy	0.01%+0.08S	0.01%+0.0008S
CV-MODE	Range	0-18V	0-500V
	Resolution	1mV	10mV
	Accuracy	±(0.05%+0.02%FS)	±(0.05%+0.025%FS)
CW-MODE	Range	0-500W	
	Resolution	10mW	
	Accuracy	0.2%+0.2%FS	
V - Measurement	Range	0-18V	0-500V
	Resolution	1mV	10mV
	Accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
A - Measurement	Range	0-3A	0-30A
	Resolution	0.01mA	0.1mA
	Accuracy	±(0.05%+0.05%FS)	
Short Circuit	Current	≈3.3/3A	≈33/30A
	Resistance	≈180mΩ	
Tempature	Operating	0-40℃	
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