IT6800A series DC power supply

IT6870A power supply is a dual-range output power supply with high resolution of 1mV, 0.01mA, which can take place of two power supplies of previous type. You can adjust the voltage/current stepping by pressing the left and right keys to moving the cursor. It supports output timer function and programs by the front panel, which will bring great convenience. Its built-in RS232 and USB communication interfaces make the communication much faster.

Feature

- VFD display
- Dual-range output
- Numerical keys operation
- Low ripple and low noise
- Intelligent fans cooling to save energy and reduce noise
- Built-in RS232/USB communication interface, optional GPIB interface
- Monitor by computer via software
- List function: voltage/current output by programming
- Knob adjust function
- Voltage/current stepping adjust by cursor
- SCPI communication protocol, compatible with IT6800 frame communication protocol
- Output timer function (range 0.1~9999.9S)

Standard accessories

- Power cord
- Calibration report
- User's manual

Specifications

Parameter		IT6874A	
Output Ratings (0 ℃ - 40 ℃)	Voltage	0~150V	0~60V
	Current	1.2A	2A
	Power	180W	120W
Load Regulation ±(% of output+offset)	Voltage	≤0.01％+4mV	
	Current	≤0.01％+2mA	
Line Regulation ±(%ofoutput+offset)	Voltage	≤0.01％+4mV	
	Current	≤0.01％+2mA	
Setup Resolution	Voltage	1mV(<100V) 10mV(>100V)	
	Current	0.1mA	
Readback Resolution	Voltage	1mV(<100V) 10mV(>100V)	
	Current	0.1mA	
Setup Accuracy ±(%of output+offset)	Voltage	≤0.05％+20mV	
	Current	≤0.1％+5mA	
Readback Accuracy ±(%of output+offset)	Voltage	≤0.05％+20mV	
	Current	≤0.1％+5mA	
Ripple (20Hz~20MHz)	DMV	≤5mVp-p and 1mVrms	
	DMA	<5mArms	
	CMA	<1.5uArms	
Dynamic recovery time	Recovery 75mV	<100uS	
Up time	10%~90%	<150mS	
Down time	90%~10%	<2S	