SPS81X Series Programmable DC Power Supply

Special linear design for R&D and laboratory use

30/150W, 0-1/2/5A, 0-30/75/150V

Key Features

- Max. output power 150W
- Voltage range: 0 to 30/75/150V
- Current range: 0 to 1/2/5A
- Low ripple and low noise
- High resolution and accuracy (0.1mV/0.01mA, SPS831 reaches up to 0.001mA)
- Built-in high-accuracy 5 1/2 voltmeter and milliohmmeter
- Supporting high-accuracy and dynamic programming output
- High-luminance VFD screen with two lines& four channels display
- Intelligent fan system fan will be automatically initiated according to the temperature
- Supporting remote voltage compensation and multidata storage
- Supporting external trigger input and output
- Power-on-self-test, software calibration and standard rack mount
- Using standard SCPI protocol
- Communication mode: RS232/RS485/USB

Typical Applications

- Laboratory testing
- Power electronics production line testing
- Other automatic testing systems

Saluki SPS8 series power supply is high performance single-output programmable DC power supply with communication interface, possessing the character of fast rise speed (the rise time of SPS811 power supply can be less than 10ms). The combination of bench-top and system features in these power supply provides versatile solutions for your design and test requirements. The SPS8 series can not only be programmed through the keyboard on the panel, but also be functioned as voltmeter and milliohm meter, which will bring great convenience to the users. As a regeneration product of ordinary programmable power supply, SPS8 series power supply is more cost-effective.

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Technical Specifications

Model		SPS811	SPS812	SPS813	SPS831
Output Rating	Voltage	0-30V	0-75V	0-150V	0-30V
	Current	0-5A	0-2A	0-1A	0-1A
Load Regulation	Voltage	<0.01%+0.5mV	<0.01%+0.5mV	<0.01%+0.5mV	<0.01%+0.5mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.5mV	1mV	2mV	0.5mV
	Current	0.1mA	0.05mA	0.01mA	0.01mA
Readback Value Resolution	Voltage	0.1mV	0.1mV	1mV	0.1mV
	Current	0.01mA	0.01mA	0.01mA	0.001mA
Setting Value Accuracy	Voltage	0.01%+2mV	0.01%+5mV	0.01%+10mV	0.01%+2mV
	Current	0.05%+1mA	0.05%+0.5mA	0.05%+0.1mA	0.05%+0.1mA
Readback Value Accuracy	Voltage	0.02%+5mV	0.02%+15mV	0.02%+35mV	0.02%+5mV
	Current	0.1%+5mA	0.05%+2mA	0.05%+1mA	0.02%+1mA
Ripple	Voltage	3mvp-p	5mvp-p	10mvp-p	10mvp-p
	Current	2mA rms	1mA rms	0.5mA rms	0.5mA rms
Voltmeter Accuracy	0-12V Accuracy: 0.02%+2mV 0-58V Accuracy: 0.02%+5mV				
Milliohmmeter Accuracy	10W. 0-1000mΩ Accuracy: 0.2%+3mΩ 1000-10000 mΩ Accuracy: 0.2%+6mΩ				
Working Condition	0-40°C, 0-90%RH				
Power Required	AC 120V/220V±10%, 50/60HZ				
Weight	6.5kg				
Dimension	214mm(W) x 101.5mm(H) x 365mm(D)				

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Options

Option No.	Item	Description
M131	RS232 interface communication cable	
M132	RS485 interface communication cable	
M133	USB interface communication cable	
M151	Rack kit (for SPS811)	

Attention: Due to the need for improvement, the above contents are subject to change without notice.

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