

SPS85X Series Programmable DC Power Supply

Special linear design for R&D and laboratory use

360/600W, 0-8/20/60A, 0-6/30/75V

Key Features

- Max. output power 600W
- Voltage range: 0 to 6/30/75V
- Current range: 0 to 8/20/60A
- Low ripple and low noise
- High resolution and accuracy (0.1mV/0.1mA)
- 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 SPS851 can be less than 20ms). 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		SPS851	SPS852	SPS853
Output Rating	Voltage	0-6V	0-30V	0-75V
	Current	0-60A	0-20A	0-8A
Load Regulation	Voltage	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.1mV	0.5mV	1mV
	Current	1mA	0.5mA	0.2mA
Readback Value Resolution	Voltage	0.1mV	0.1mV	0.1mV
	Current	0.1mA	0.1mA	0.1mA
Setting Value Accuracy	Voltage	0.01%+1mV	0.01%+5mV	0.01%+10mV
	Current	0.05%+6mA	0.05%+2mA	0.05%+1mA
Readback Value Accuracy	Voltage	0.02%+2mV	0.02%+5mV	0.02%+15mV
	Current	0.05%+45mA	0.05%+20mA	0.05%+8mA
Ripple	Voltage	3mvp-p	5mvp-p	7mvp-p
	Current	15mA rms	7mA rms	4mA rms
Voltmeter Accuracy	0-12V Accuracy: 0.02%+2mV 0-58V Accuracy: 0.02%+5mV			
Milliohm 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	28kg			
Dimension	428mm(W)×88mm(H)×453.5mm(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	

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