Single Channel DC Power Supply

SPS Series

NEW

The SPS series is a single output, 360W switch DC power supply with overvoltage protection to protect the SPS power supply and load from accidental damage. 0.01% low variation rate, remote monitoring terminal can compensate for line losses between power supply and load.

Standard SENSE ☑ Optional RS-232 ☐

Features

- There are two ways to set: voltage and current, using a numeric keypad and knob adjustment
- Voltage 1mV, current 1mA resolution, high-precision display
- 9 sets of voltage and current storage and retrieval functions
- Efficient, lightweight, and compact in size
- Output switch control, easy to master
- Overload and polarity reverse protection function
- Voltage remote compensation function
- Intelligent temperature controlled fan, extremely practical
- Voltage and current interval setting function

Model		SPS-1230	SPS-1820	SPS-2415	SPS-3610	SPS-606
Voltage		0~12V	0~18V	0~24V	0~36V	0~60V
Current		0~30A	0~20A	0~15A	0~10A	0~6A
Rated input voltage		AC 220V+10% 50Hz				
Voltage transformation method		Switching Power Supplies				
Load regulation	Voltage	≤0.1%+20mV				
	Current	≤0.1%+5mA				
Line regulation	Voltage	≤0.1%+20mV				
	Current	≤0.1%+5mA				
Setting accuracy	Voltage	1mV				
	Current	1mA				
Setting resolution	Voltage	≤0.1%+10mV				
	Current	≤0.3%+8mA				
Readback accuracy	Voltage	1mV				
	Current	1mA				
Readback resolution	Voltage	≤0.1%+10mV				
	Current	≤0.3%+8mA				
Ripple	Voltage	5mVrms,100mVp-p				
	Current	30mArms	10mArms	10mArms	5mArms	3mArms
Recovery time		≤500uS(50% load variation, minimum load 0.5A)				
Temperature coefficient		≤100ppm/C				
Temperature	Operation	0~40℃≤ 85R.H				
	Storage	-15~70℃≤ 85R.H				
Insulation	Chassis to terminal	20MΩ or above(DC 500V)				
	Chassis to powe rcord	30MΩ or above(DC 500V)				
Size and weight	mm	230 (width)x105 (height)x 330 (length) mm				
	kg	About 3.5 kilograms				