

## SPS-9600 Series

High Current with Remote Sensing & Control  
Switched Mode DC Regulated Power Supply



SPS-9600

### Description

This high current switched mode DC regulated output power supply is designed with high efficiency and active power factor correction. The constant current limiting protection allows the output current to remain stable whilst the output voltage decreases to a level that permits safe operation of the power supply.

The remote sensing terminals can be used to compensate for output line losses so that precise regulation can be achieved in voltage critical applications where the load voltage must remain stable.

The output can be turned ON and OFF and the voltage level can be externally controlled via a rear remote control socket.

The SPS-9600 series is ideal for applications that need good quality, high output, DC current with precise voltage regulation.

The SPS-9600 and SPS-9602 have a small footprint for their 900W continuous maximum power output.

They are suitable for a wide range of applications such as super high power car audio demonstration consoles and radio equipment etc.

### Features

- Total max. continuous output current 60A (SPS-9600) / 30A (SPS-9602)
- Main Output / Remote Sensing / Remote Control / terminals at the back
- Front terminals 5A (SPS-9600) / 3A (SPS-9602) limited
- Remote Voltage Sensing compensates for any cable voltage drop
- Remote control terminals for output voltage adjustment and on/off
- Floating Ground Design
- Overload / Over-temperature / Short Circuit Protections
- Constant Current mode with LED indicator prevents overloading
- Variable speed thermally controlled fan
- High RFI stability and Excellent EMI
- Active power factor correction ( PF >0.97 )
- Housings are available in Pantone warm grey 1C or Pantone 433C dark grey
- Overload protection with constant current limit
- Low Ripple & Noise

### Specifications

Models	SPS-9600	SPS-9602
Variable Output Voltage	1~15VDC	1~30VDC
<b>Total Rated Output Current</b>		
(Main Output + Front Output)	60A	30A
Rated Output Current (Main Output)	60A	30A
Rated Output Current (Front Output)	5A	3A
Load Voltage Regulation (Main Output) 0~100% load	0.1% + 5mV	
Line Voltage Regulation (Main Output) 190~254VAC variation	0.05% + 3mV	
Ripple & Noise (peak-peak)	40mVp-p	
Input Voltage	200~240VAC 50Hz	
Efficiency	85.7%	88.5%
Meter Type	LED Meter	
Voltage Meter Range	3 digit display	
Current Meter Range	3 digit display	
Meter Accuracy	±(1% + 1 count)	
Protection	Overload (Constant Current Limiting), Over Temperature, Short Circuit, Over Voltage Protection	
Cooling System	Variable speed thermally controlled fan (from 1/3 to full speed)	
Special Features	Remote Voltage Sensing, Remote Output Voltage and ON/OFF Control	
Approvals	CE EMC: EN55022 LVD: EN60950	
Dimensions (WxHxD)	220x110x360mm 8.7x4.3x14in	
Weight	4.9kg 10.8lb (5.6kg in carton 46 x 28 x 16cm)	
Remarks	Active Power Factor Correction >0.97 at optimal load	

- All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.
- SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE