

# GENERAL PURPOSE POWER SUPPLY

SPS - 9600 / 9602

High Current w/ Remote Sensing & Control Switching Mode Power Supply



## Description

This high current switching mode DC regulated output power supply is designed with a highly efficient active power factor correction. The constant current limiting protection allows the output current to remain stable but the output voltage decreases to a level that permits safe operation of the power supply. The remote sensing terminals are used to compensate for output line losses so that a precise regulation can be achieved for critical voltage application away from the power supply. The output voltage level and ON-OFF can be externally controlled via the remote terminal.

It is ideal for applications that need good quality high DC current network with precise point of voltage regulation.

SPS-9600 / SPS-9602 has a small footprint for its 900W continuous maximum power.

It is suitable for a wide range of applications such as street blaster super high power car audio demonstration console, radio equipment and 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) limiting.
- ( Precise Load Point Voltage )
- Remote Sensing for remote point of regulation.
- Analogue 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
- Active power factor correction ( P.F. > 0.97 )
- Housing are available in Pantone warm grey 1C or Pantone 433C dark grey
- Overload protection with constant current
- Low Ripple & Noise
- \*Analogue Remote output on/off is an added function for production after Oct. 2004\*

## Specifications

Models	SPS-9600	SPS-9602
Variable Output Voltage	1-15VDC	1-30VDC
Total Rated Output Current		
(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~ (or on request)	
Efficiency	≥85.7%	≥88.5%
Meter Type	LED Meter	
Volt. Meter Range	3 digit display	
Curr. Meter Range	3 digit display	
Meter's Accuracy	±1% +1 count	
Protection Devices	Overload (Constant Current Limiting), Over Temperature, Short Circuit, OVP Protection	
Cooling System	Variable speed thermally controlled fan (from 1/3 to full speed)	
Special Feature	Remote Sensing, Analogue Remote Output Voltage Control and *ON/OFF* *Remote output ON/OFF only for production after Oct. 2004*	
Approvals	CE EMC: EN 55022 LVD: EN 60950	
Dimensions (WxHxD)	220x110x360 mm 8.7x4.3x14 inch	
Weight	Approx. 5.8 kgs 12.8 lbs	
Remarks	Power factor correction >0.95 at optimal load	

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE