

# HIGH CURRENT SWITCHING MODE POWER SUPPLY

with Remote Sensing & Control  
SPS-9600, 9602



## 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\*.

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

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## 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	
Voltage Meter Range	3digit LED Display	
Current Meter Range	3digit LED Display	
Meter's Accuracy	±1% +1count	
Protections	Overload (Constant Current Limiting), Short Circuit, Output Tracking Over Voltage, Over Temperature	
Cooling Method	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 55032 LVD: EN 60950	
Dimension (WxHxD)	220x110x360 mm 8.7x4.3x14 inch	
Weight	5.8 kgs 12.8 lbs	
Remark	Power factor correction >0.95 at optimal load	

## Accessories



AC Power Cord



User Manual



Metal 8Pin  
Female Connector

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