

### Description

This high current switching mode DC regulated output power supply is designed with a highly efficient active power factor corrector. 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.
- Remote control terminals for output voltage adjustment and \*on/off\*
- 29HR Count Down Timer (Optional) for Output 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
- **\*Remote output on/off is an added function for production after Oct. 2004\***



### Specifications

	<b>SPS - 9600</b>	<b>SPS - 9602</b>
<b>Variable Output Voltage</b>	1 - 15Vdc	1 - 30Vdc
<b>Total Rated Output Current (Main Output + Front Output)</b>	60A	30A
<b>Rated Output Current (Main Output)</b>	60A	30A
<b>Rated Output Current (Front Output)</b>	5A	3A
<b>Load Regulation (Main Output)</b>	0.1% +5mV	
<b>Line Regulation (Main Output)</b>	0.05% +3mV	
<b>Ripple &amp; Noise (Peak-Peak)</b>	50mVp-p	
<b>Input Voltage</b>	230Vac , 50Hz~ ( or on request )	
<b>Efficiency</b>	>85%	
<b>Meter Type</b>	LED Meter	
<b>Voltmeter Range</b>	3 digit display	
<b>Ammeter Range</b>	3 digit display	
<b>Meter's Accuracy</b>	±1% +1 count	
<b>Protection Devices</b>	Overload (Constant Current Limiting), Over Temperature, Short Circuit, OVP protections	
<b>Cooling System</b>	Variable speed thermally controlled fan	
<b>Special Feature</b>	Remote sensing , Remote output voltage control and *on/off * <b>* Remote output on/off only for production after Oct. 2004 *</b>	
<b>Approvals</b>	CE EMC : EN 55022 , LVD : EN 60950	
<b>Dimensions (WxHxD)</b>	220 x 110 x 360 mm ( 8.7 x 4.3 x 14 in. )	
<b>Weight</b>	5.8kgs ( 12.8lbs )	
<b>Remarks</b>	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 \*

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