

# HIGH CURRENT SWITCHING MODE POWER SUPPLIES w REMOTE SENSING & CONTROL

*Manson*



SPS - 9600 / 9602

## Description

This high current switching mode DC regulated dual 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 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 audios 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.
- Adjustable output voltages 1 to 15Vdc (SPS-9600) / 1 to 30Vdc (SPS-9602)
- Remote Sensing for remote point of regulation.
- Remote control terminals for output voltage
- Light weight and small size
- Overload / Over-temperature /Short Circuit Protections
- Constant Current mode with LED indicator prevents overloading
- Variable speed thermally controlled fan
- High RFI stability
- Power factor correction >0.97
- Housing are available in (Pantone warm grey 1C  or Pantone dark grey 433C )

Front



SPS - 9600



Rear



SPS - 9600

SPS - 9602

## SPECIFICATIONS

Variable Output Voltage

Total Rated Output Current

( Main Output + Front Output )

Rated Output Current ( Main Output )

Rated Output Current ( Front Output )

Load Regulation ( Main Output )

Line Regulation ( Main Output )

Ripple & Noise ( Peak-Peak )

Input Voltage

Efficiency

Meter Type

Voltmeter Range

Ammeter Range

Meter Accuracy

Protection Devices

Cooling System

Special Feature

Approvals

Dimensions ( WxHxD )

Weight

Remarks

	1 - 15V DC	1 - 30V DC
Total Rated Output Current	60A	30A
Rated Output Current ( Main Output )	60A	30A
Rated Output Current ( Front Output )	5A	3A
Load Regulation ( Main Output )	0.1% +5mV	
Line Regulation ( Main Output )	0.05% +3mV	
Ripple & Noise ( Peak-Peak )	40mV p-p	
Input Voltage	230V AC / 50Hz ( or on request )	
Efficiency	> 85%	
Meter Type	LED Meter	
Voltmeter Range	3 digit display	
Ammeter Range	3 digit display	
Meter Accuracy	1% +1 count	
Protection Devices	Overload ( Constant current limiting ) , Short circuit , Over temperature , OVP	
Cooling System	Variable speed thermally control fan	
Special Feature	Remote sensing , Remote control	
Approvals	CE - EMC:EN55022 , CE - LVD:EN60950	
Dimensions ( WxHxD )	220mm(W) x 110mm(H) x 360mm(D)	
Weight	5.8 Kgs	
Remarks	Power factor correction $\geq 0.97$ at optimal load	

\* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE \*

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