

# HIGH CURRENT SWITCHING MODE POWER SUPPLY

SPS-Series

## Description

The series of HIGH POWER SWITCHING MODE DC REGULATED POWER SUPPLIES provide high current (25Amps for SPS-8250, 9250) (12Amps for SPS-9252) (40Amps for SPS-8400, 9400) (20Amps for SPS-9402) output in a lightweight and compact size case. They are suitable for a wide range of uses, such as radio equipment, and are ideal for high power car stereo work. In addition to variable output from (3-15VDC for SPS-8250, 9250, 8400, 9400) (3-30VDC for SPS-9252, 9402), a fixed 13.8VDC can be selected. Overload, Over temperature, and Over voltage protection are standard.

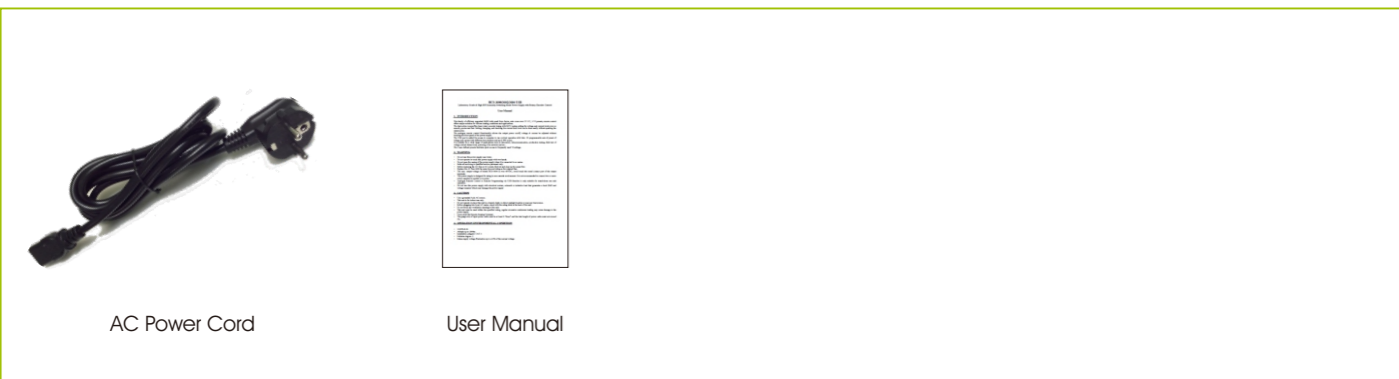
## Features

- (25A current output for SPS-8250, 9250); (12A current output for SPS-9252); (40A current output for SPS-8400, 9400); (20A current output for SPS-9402)
- High efficiency
- Adjustable output voltages (3-15V for SPS-8250, 9250, 8400, 9400); (3-30V for SPS-9252, 9402)
- 13.8V lock control
- Light weight and small size
- Over temperature protection
- Over voltage protection at (16.5V for SPS-8250, 9250, 8400, 9400); (33V for SPS-9252, 9402)
- Variable speed thermally controlled fan.
- High RFI stability
- Power factor correction >0.95
- Housing are available in Pantone warm grey 1C or Pantone 433C dark grey
- Overload protection with constant current
- Floating ground
- Low Ripple & Noise

## General Specifications

Input Voltage	200-240VAC 50Hz~ (or on request)
Power Factory Control	Power factor correction >0.95 at optimal load
Cooling Method	Variable speed thermally control fan (from 1/3 to full speed)
Protection	Short Circuit, Over Voltage, Over Temperature
Approvals	CE EMC: EN 55032 LVD: EN 60950
Dimension (WxHxD)	220x110x220 mm 8.7x4.3x8.7 inch (SPS-8250, 9250, 9252) 220x110x300 mm 8.7x4.3x11.8 inch (SPS-8400, 9400, 9402)
Weight	2.7 kg 6.0 lbs (SPS-8250, 9250, 9252) 3.5 kg 7.7 lbs (SPS-8400, 9400, 9402)

## Accessories



\* 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-8250	SPS-9250	SPS-9252
Variable Output Voltage	3-15VDC		3-30VDC
Fixed Output Voltage Mode	13.8VDC		
Rated Output Current	25A		12A
Ripple & Noise (peak-peak)	≤50mV		
Load Regulation (0-100% load)	≤200mV		
Line Regulation (190-254VAC Variation)	≤50mV		
Efficiency	≥83%		≥82%
Meter Type	Analog Meter	LED Meter	LED Meter
Volt. Meter Range	0-20V	3digit display	3digit display
Curr. Meter Range	0-30A	3digit display	3digit display
Meter's Accuracy	7% fsd	1% +2counts	1% +2counts



Models	SPS-8400	SPS-9400	SPS-9402
Variable Output Voltage	3-15VDC		3-30VDC
Fixed Output Voltage Mode	13.8VDC		
Rated Output Current	40A		20A
Ripple & Noise (peak-peak)	≤50mV		
Load Regulation (0-100% load)	≤200mV		≤230mV
Line Regulation (190-254VAC Variation)	≤50mV		
Efficiency	≥78%		≥81%
Meter Type	Analog Meter	LED Meter	LED Meter
Volt. Meter Range	0-20V	3digit display	3digit display
Curr. Meter Range	0-45A	3digit display	3digit display
Meter's Accuracy	7% fsd	1% +2counts	1% +2counts

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