

SPS-Series

High Current Switching Mode DC Regulated Power Supply



SPS-8250



SPS-9250

Description

The series of HIGH POWER SWITCHING MODE DC REGULATED POWER SUPPLIES provide high current 25 Amps 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 to 15VDC, a fixed 13.8VDC can be selected. Overload, Over temperature, and Over voltage protection are standard.

Features

- 25A current output
- High efficiency
- Adjustable output voltages 3V to 15V
- 13.8V lock control
- Light weight and small size
- Over temperature protection
- Over voltage protection at 16.5V
- 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

Specifications

Models	SPS-8250	SPS-9250
Variable Output Voltage	3 - 15VDC	
Fixed Output Voltage Mode	13.8VDC	
Rated Output Current	25A	
Ripple & Noise (peak - peak)	50mV	
Load Regulation (0-100% load)	200mV	
Line Regulation (190-254VAC variation)	50mV	
Input Voltage	200-240VAC 50Hz~ (or on request)	
Efficiency	>78%	
Meter Type	Analog Meter	LED Meter
Volt. Meter Range	0 - 20V	3 digit Display
Curr. Meter Range	0 - 30A	3 digit Display
Meter's Accuracy	7% fsd	1% +2 counts
Cooling System	Variable speed thermally control fan (from 1/3 to full speed)	
Protection Devices	Over Temperature, Short Circuit, Over Voltage	
Approvals	CE EMC: EN 55022 LVD: EN 60950	
Dimensions (WxHxD)	220x110x220 mm 8.7x4.3x8.7 inch	
Weight	2.7 kgs 6 lbs	
Remarks	Power factor correction >0.95 at optimal load	