

GENERAL PURPOSE POWER SUPPLY

SPS - 9402

High Current Switching Mode Power Supply

Manson[®]



Description

The series of HIGH POWER SWITCHING MODE DC REGULATED POWER SUPPLIES provide high current 20 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 30VDC, a fixed 13.8VDC can be selected. Overload, Over temperature, and Over voltage protection are standard.

Features

- 20A current output
- Floating Ground Design
- Adjustable output voltages 3V to 30V
- 13.8V Lock Control
- Light weight and small size
- Over temperature protection
- Constant Current Protection prevents overloading
- Over voltage protection at 33-35V
- 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

Specifications

Models	SPS-9402
Variable Output Voltage	3 - 30VDC
Fixed Output Voltage Mode	13.8VDC
Rated Output Current	20A
Ripple & Noise (r.m.s.)	≤5mV
Load Regulation (0-100% load)	≤230mV
Line Regulation (190-254VAC variation)	≤5mV
Input Voltage	200-240VAC 50Hz~ (or on request)
Efficiency	≥81%
Meter Type	LED Meter
Volt. Meter Range	3 digit Display
Curr. Meter Range	3 digit Display
Meter's Accuracy	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 55011, 55022 LVD: EN 60950, 61558
Dimensions (WxHxD)	220x110x300mm 8.7x4.3x11.8inch
Weight	2.5kgs 7.7lbs
Remarks	Power factor correction >0.97 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