

## SPS-Series

High Current Switching Mode DC Regulated Power Supply



SPS-8400



SPS-9400

### Description

The series of HIGH POWER SWITCHING MODE DC REGULATED POWER SUPPLIES provide high current 40 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

- 40A current output
- High efficiency
- Floating Ground Design
- Adjustable output voltages 3V to 15V
- Fixed voltage mode at 13.8V
- Light weight and small size
- Over temperature protection
- Constant Current 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
- Low Ripple & Noise

### Specifications

| Models                                 | SPS-8400  | SPS-9400        |
|--|---|-----------------|
| Variable Output Voltage                | 3 - 15VDC   |                 |
| Fixed Output Voltage Mode              | 13.8VDC   |                 |
| Rated Output Current                   | 40A   |                 |
| Ripple & Noise (peak - peak)           | 50mV  |                 |
| Load Regulation (0-100% load)          | 120mV   |                 |
| 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 - 45A   | 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 55011, 55022 LVD: EN 60950, 61558                  |                 |
| Dimensions (WxHxD)                     | 220x110x300 mm 8.7x4.3x11.8 inch                              |                 |
| Weight                                 | 3.5 kgs 7.7 lbs   |                 |
| Remarks                                | 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