

# FIXED VOLTAGE SWITCHING MODE POWER SUPPLY

SPA-8250, 8400

## Description

This series of high current, fixed voltage, regulated switching mode power supplies are built with, Over Voltage Protection for safe-guarding voltage sensitive load. High efficiency cuts the running cost and active Power Factor Correction (PFC) maximizes the main's available power. They are suitable for applications in telecommunications such as radio equipments, RF amplifiers, and other high current applications like car audio, halogen, xenon spot light demonstrations.

The high grade Screw On output terminals are on the back panel of the console while the power on off switch and the bi-colour LED indicator (Power On / Overload) is at the front.

The variable speed thermostatic control cooling fan ensures quiet operation of the power supply in medium load condition.

The small size console fits well with the footprints of most modern telecom equipments.



## Accessories



AC Power Cord



User Manual

## Features

- High RFI stability.
- Over voltage protection at 16.5V.
- Current fold-back circuit with LED indicator.
- Short circuit protection.
- Over temperature cut off protection.
- High efficiency >78%.
- Power factor correction >0.95.
- Variable speed Thermostatic controlled fan quiet operation.
- Light weight and small size.
- Floating ground design.

## Specifications

Models	SPA-8250	SPA-8400
Output Voltage	Fixed 13.8VDC	
Rated Output Current	25A	40A
Ripple & Noise (peak-peak)	≤50mVp-p 5mVrms	
Load Regulation (0-100% load)	≤200mV	
Line Regulation (190-254VAC Variation)	≤50mV	
Input Voltage	200-240VAC 50Hz~ (or on request)	
Efficiency	>77%	>79%
Dynamic Power Factor Correction	>0.95	>0.97
Cooling Method	Variable speed thermally control fan (1/3 to full speed)	
Protection	Overload, Over Temperature, Short Circuit Protection, Output Over Voltage Protection	
Indication	Bi-color LED (Green: Power on/ off ; Red: Overload)	
Approval	CE EMC: EN 55022 LVD: EN 60950	
Dimension (WxHxD)	220x110x220 mm 8.7x4.3x8.7 inch	220x110x300 mm 8.7x4.3x11.8 inch
Weight	2.7 kgs 5.9 lbs	3.5 kgs 7.7 lbs

\* All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

\* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE