

**SPA-Series**

Low Profile &amp; Small Foot Print

Fixed Voltage Switching Mode Power Supply with Cigar Socket



SPA-8230 Series

**Description**

This series of convection cooled switching mode power supply is designed for radio equipment.

It is exceptionally immune to Radio Frequency Interference at close range.

Heat is dissipated from the heat sink and the aluminum base for efficient natural cooling.

It has the small footprint of popular radio transceivers, and the low profile casing make it fall in place with a host of equipment in a tight spot.

The constant current protection, over temperature protection and output Over Voltage Protection (OVP) ensure better reliability and safer protection to both the power supply and its connected load.

One main DC output at rear and a front mounted cigar socket provide convenient DC connectivity.

It has excellent line and load regulation, low ripple and noise, optimal efficiency of 80% and a power factor of 0.7.

**Features**

- Fan Cool (0 to full speed)
- High RFI immunity
- Binding post and cigar socket DC output.
- Over Load, Short Circuit, Over Temperature protections by constant current circuitry.
- Output Over Voltage Protection
- Power Factor Control
- User adjustable fine tune setting  
13.3 ~14.5V (SPA-8230)  
& 26.6 ~ 29V (SPA-8232 )
- Floating ground design

**Specifications**

Models	SPA-8230	SPA-8232
Output Voltage	Fixed 13.8VDC $\pm 0.5V$	Fixed 27.6VDC $\pm 0.5V$
Output Current (Main Output Posts) 1min. 50% Duty Cycle	23A cont., 25A max.	11.5A cont., 12.5A max.
Main Output Posts + Cigar Socket (1min. 50% Duty Cycle)	23A cont., 25A max.	11.5A cont., 12.5A max.
Ripple & Noise	$\leq 50mVp-p$ 5mVrms	
Load Regulation (0-100% Load)	$\leq 100mV$	
Line Regulation ( $\pm 10\%$ Variation)	$\leq 50mV$	
Input Voltage	200 - 240VAC 50Hz~ (or on request)	
Indicators	Red Color Overload LED Indicator	
Cooling System	Fan Cool (0 to full speed)	
Operating Temperature	0 - 40°C	
Protection	Overload, Over Temperature, Short Circuit Protection by Constant Current Circuitry and Output Over Voltage Protection	
Approvals	CE EMC: EN 55022 LVD: EN 60950	
Dimensions (WxHxD)	181x63x190 mm 7.2x2.5x7.5 inch	
Weight	1.6 kgs 3.5 lbs	

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

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE