

Low Profile & Small Foot Print Fixed Voltage Switching Mode Power Supplies w Cigar Socket

SPA-8100 10A cont, 12A max @ 13.8V , SPA-8102 5A cont, 6A max @ 27.6V

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 with constant current 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

- Natural cooling for absolute quiet operation
- High RFI immunity
- Binding pole 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-8100) & 26.6~29V (SPA-8102)



Specifications

	SPA-8100	SPA-8102
Output Voltage	Fixed 13.8Vdc $\pm 0.5V$	Fixed 27.6Vdc $\pm 0.5V$
Output Current (Main output posts)	10A Cont. , 12A Max. (1 min. 50% duty cycle)	5A Cont. , 6A Max. (1 min. 50% duty cycle)
(Main output posts + Cigar Socket)	10A Cont. , 12A Max. (1 min. 50% duty cycle)	5A Cont. , 6A Max. (1 min. 50% duty cycle)
Ripple & Noise	$\leq 50mVp-p$, $5mVrms$	
Load Regulation	$\leq 100mV$ (0 - 100% Load)	
Line Regulation	$\leq 50mV$ ($\pm 10\%$ Variation)	
Input Voltage	230Vac , 50Hz~ (or on request)	
Indicators	Red Color Overload LED Indicator	
Cooling System	Air Convection	
Operating Temperature	0 - 40°C	
Protections	Over Load, Over Temperature, Short Circuit protections by Constant Current Circuitry and Output Over Voltage Protection	
Approvals	CE EMC : EN 55022 , LVD : EN 60950	
Dimensions (WxHxD)	181 x 63 x 190 mm (7.2 x 2.5 x 7.5 in.)	
Weight	Approx. 1.55kgs (3.4lbs)	

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

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE *