

# FIXED VOLTAGE POWER SUPPLY

SPA-8150 / 8152 (Low Profile & Small Foot Print)

Fixed Voltage Switching Mode Power Supply with Cigar Socket

*Manson*<sup>®</sup>



## Description

This quiet running, switching mode power supply is designed for radio equipment.

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

The thermostatic variable speed cooling fan is hardly audible even at its maximum speed.

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 gives a total continuous current output of 15A at 13.8V and a maximum of 18A at 50% duty cycle.

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-8150) & 26.6 ~ 29V (SPA-8152)
- Floating ground design

## Specifications

Models	SPA-8150	SPA-8152
Output Voltage	Fixed 13.8VDC $\pm 0.5V$ Adjustable	Fixed 27.6VDC $\pm 0.5V$ Adjustable
Output Current (Main Output Posts) 1min. 50% Duty Cycle	15A cont., 18A max.	7.5A cont., 8.5A max.
Main Output Posts + Cigar Socket (1min. 50% Duty Cycle)	15A cont., 18A max.	7.5A cont., 8.5A 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	1.7 kgs 3.7 lbs	

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

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE