

# FIXED VOLTAGE POWER SUPPLY

ZVS-8300 Series

Zero Voltage Switching Mode Power Supply

Manson®



ZVS-Series



## Description

This series of super efficient power supplies provides a long term cost saving in energy cost, more reliability, longer lifetime and require less warranty coverage.

The Zero Voltage Switching design reduces power dissipation in the switching transistors and EMI level resulting a quiet (lesser switching noise) and cooler running supply.

It is especially suitable for telecommunication, long hour operation, and in close proximity with other equipment. Two supplies can fit neatly in a 2U 19inch rack mount due to the small form factor.

## Features

- High efficiency even at loads:  
85% at 20% load, 90% at 50%, 90% at full load.
- High RFI immunity and excellent EMI
- Intelligent fan speed control (zero to full speed)
- Binding post and cigar socket\*
- Active PFC
- Over load, Short Circuit, Over Temperature protections
- Output Over Voltage Protection
- User adjustable fine tune setting
- Analogue Remote ON/OFF

## Specifications

Models	ZVS-8350	ZVS-8352	ZVS-8354
Output Voltage	13.8VDC	27.6VDC	55.2VDC
Rated Output Current	35A	18A	9A
User Fine Tune Setting	12 - 14.5V	25 - 28.5V	49 - 57V
Ripple & Noise (peak-peak)	50mV	50mV	100mV
Load Regulation (0-100% load)	50mV		
Line Regulation (170-264VAC)	20mV		
Efficiency (85%@20% load ; 90%@50% to full load)	90.3% @ full load	91% @ full load	92% @ full load
Input Voltage	230VAC 50Hz~ (or on request)		
Rated Load Input Current	2.45A	2.55A	2.5A
Standby Consumption	5.5W	8W	7W
Power Factor	0.97		
Cigar Plug Output *	Yes	Yes	No
Operating Temperature	0 - 50°C		
Protection	Overload, Short Circuit by Constant Current, Output Over Voltage, Over Temperature		
Cooling System	Thermostatic Control Fan from zero to full speed		
Approvals	CE EMC: EN 55022 LVD: EN 60950		
Dimensions (WxHxD)	175x72x195 mm 6.9x2.8x7.7 inch		
Weight	1.8 kgs / 4 lbs		

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

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE