

SPV-1500 Series

1500W Single Output with PFC Function Voltage programmable



FEATURES

- Universal AC input - Full range
- Built-in active PFC function
- Short circuit, overload, over voltage, over temperature protected
- Fixed switching frequency 100KHz
- O/P Voltage programmable 20-110% by 1-6VDC external control
- 12,24,48 VDC version available
- Current sharing up to 4500W(2+1)
- Alarm Signal output/Remote ON-OFF control
- 12@0.1A aux output for remote control

ENVIRONMENTAL

Operating Temp: -20 to +65°C (with de-rating)

Storage Temp: -40 to +85°C

Temp coefficient 0.05%/°C(0-50°C)

SAFETY / EMC (SEE NOTE 4)

EN60950

UL60950

EN55022 (CISPR22) Class B

EN61000-3-2,-3

EN61000-4-2, 3, 4, 5, 6, 8, 11

ENV50204

EN55024

Light industry level, criteria A



ELECTRICAL SPECIFICATIONS

Model No.	SPV-1500-XX		
XX	12	24	48
AC Input	88-264VAC, Single Phase, 47-63Hz		
DC Input	124-370VDC		
DC Output			
Voltage	2.4-13.2V	4.8-26.4V	9.9-52.8V
Current	0-125A	0-63A	0-32A
Rated Power	1500W	1512W	1536W
O/P voltage programmable	1-6VDC	By External	Control
Ripple & noise (p-p) (2)	150mV	150mV	200mV
Voltage Tolerance (3)	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%
Load Regulation	±0.5%	±0.5%	±0.5%
Auxiliary power	12vVDC@0.1A	for Remote on/off	Control
Overload	CC mode. Recovers automatically when fault removed		
Over Voltage	Shut down output voltage. Re-power on to recover.		
Over Temperature	Shut down output voltage. Recovers automatically after temp goes down.		
Dimensions	2278(L) x 127(W) x 83.5(H)mm		
Weight	2.6Kg		

- Notes:**
1. All parameters **NOT** specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line and load regulation.
 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Specifications subject to change without notice

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