

# 1500 Watt, SPV Series, Programmable Output Power Supply



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- Universal AC Input with PFC
- High Efficiency up to 90%, ZVS Technology
- High Reliability, 3 Year Warranty
- Short Circuit, Over Voltage, Over Load, Over Temperature Protection
- Full Approvals : UL/CUL/TUV/CB/CE
- Remote On/Off Control
- Remote Sense, Power Good Signal
- Programmable Output Voltage 20 to 120%
- Current Share (up to 3 units 4500 Watts)



## Specification

Input Voltage.....	.90~264 VAC, 47~63 Hz (127-370 VDC)
Power Factor.....	0.95 @ 230 VAC, 0.98 @ 115 VAC
Output Voltage.....	Programmable over the range of 20 to 120%
Output Trim Facility.....	20-120% By 1 to 6 Volt External Control Voltage
Over Load Protection.....	105~135% O/P Constant Current limiting, auto recovery
Over Voltage Protection.....	Shut down, re-power to recover
Set Up, Rise, Hold Up Time.....	typ 1500ms, 100ms, 10 to 16ms depending on model.
Withstand Voltage.....	I/P-O/P: 3 kVAC, I/P-F/G: 1.5kVAC, O/P-F/G: 0.5kVAC
Operating Temperature .....	-20 to +70 °C, see derating curve
Safety Standards.....	UL60950-1 TUV EN60950-1
EMC.....	EN55022, (CISPR22) EN61000-4-2,3,4,5,6,8,11 EN61000-3-2,3 ENV50204, EN55024 light industrial level, Criteria A
Mechanical .....	278 x 127 x 83.5 mm (plus connections and fan to length)
Connections Input & Output.....	Screw Terminals & Bus Bars.

**Models and Ratings** (These units are not recommended for fixed output Voltage Applications).

Model	Nominal Output Voltage	Output Voltage Programming Range	Maximum Output Current	Efficiency
<b>SPV-1500-12</b>	12 V	2.4 to 14.4 V	125 A	86.5 %
<b>SPV-1500-24</b>	24 V	4.8 to 28.8 V	63 A	90 %
<b>SPV-1500-48</b>	48 V	9.6 to 57.6 V	32 A	90 %

Please see next page for mechanical drawings, connections and derating

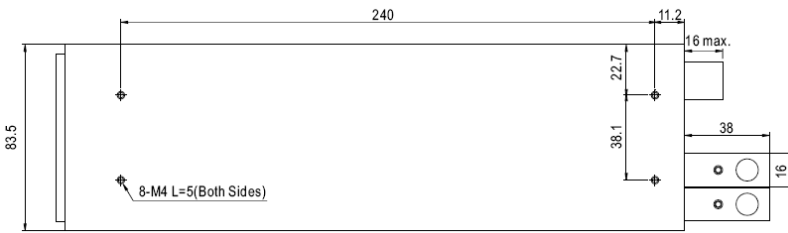
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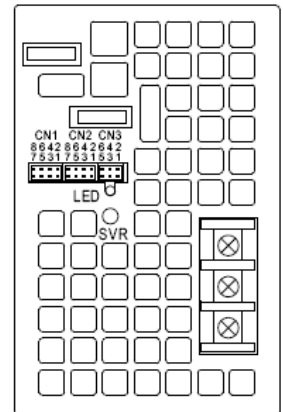
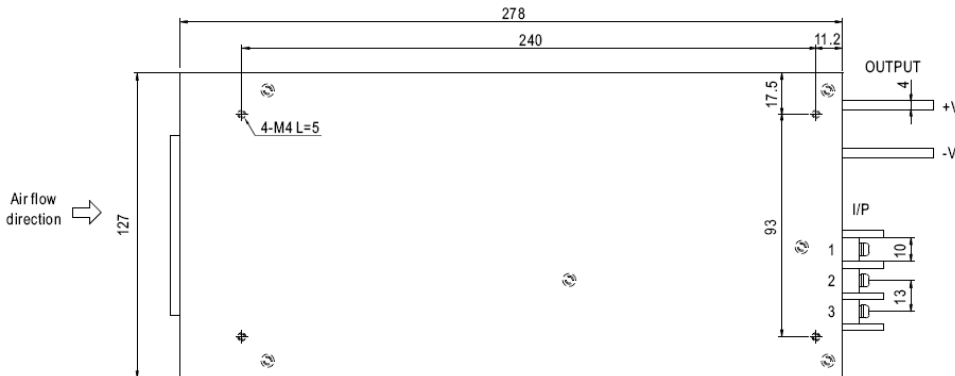


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## Mechanical Drawings and Connections



AC Input Connections	
Terminal	Function
1	Earth
2	AC Neutral
3	AC Live



Control Pin No. Assignment (CN1, CN2) : HRS DF11-8DP-2DS Or Equivalent					
Pin No	Assignment	Pin No	Assignment	Mating Housing	Terminal
1	RCG	5,7	- Sense	HRS DF11-8DS Or Equivalent	HRS DF11-**SC Or Equivalent
2	RC2	6	LS (Current Share)		
3	PV	8	+Sense		
4	PS				

RCG : Remote on/off Ground

PV : Output Voltage External Control

RC2 : Remote on/off

LS : Load Share

-S : -Remote sensing

+S : + Remote Sensing

PS : Reference voltage terminal, PS and PV are connected when shipping for.

Control Pin No. Assignment (CN3) : HRS DF11-6DP-2DS Or Equivalent					
Pin No	Assignment	Pin No	Assignment	Mating Housing	Terminal
1	P OK GND	4	AUXG	HRS DF11-6DS Or Equivalent	HRS DF11-**SC Or Equivalent
2	P OK	5	RC1		
3	RCG	6	AUX		

P OK GND : Power OK Ground

AUXG : Auxiliary Ground

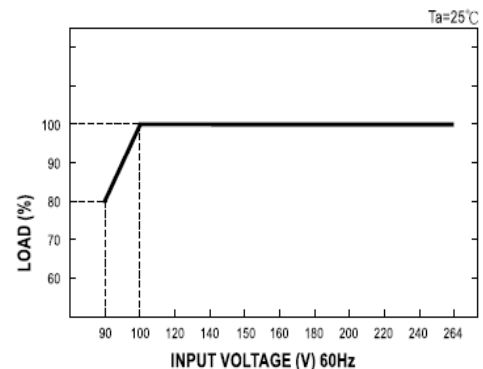
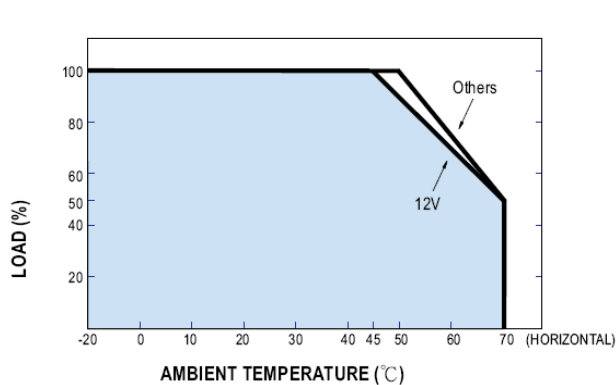
P OK : Power OK Signal

RC1 : Remote on/off

RCG : Remote on/off Ground

AUX : Auxiliary Output (12 Volts)

## Derating, (Input AC Supply & Temperature)



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.

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