

- AC Input with PFC
- High Efficiency up to 91%
- 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
- Wide Output Trim 20-110%
- Current Share (up to 3 units = 6,480 Watts)



**Specification**

Input Voltage.....180~264 VAC, 47~63 Hz (254-370 VDC)  
 Power Factor.....0.95 @ 230 VAC  
 Output Voltage.....See table below (plus potentiometer adjustment range)  
 12 Volts = 10.8 to 13.2, 24 Volts = 22 to 28, 48 Volts = 43 to 56  
 Output Voltage Trim Facility.....20-110% of V Nominal by external resistor or voltage signal  
 Parallel Operation.....Up to 3 identical units, derate maximum power to 90%  
 Over Load Protection.....100~110% O/P Constant Current, shut down after 5 seconds  
 (or can be set for continuous constant current output).  
 Over Voltage Protection.....12 V = 13.8~16.8V, 24 V = 28.8~33.6V, 48 V = 57.6~67.2V  
 Set Up, Rise, Hold Up Time.....typ 1000ms, 80ms, 10ms @ Full Load  
 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 177.8 x 63.5 mm (plus connections & fans to length)  
 Connections Input & Output.....Screw Terminals & Bus Bars

**Models and Ratings**

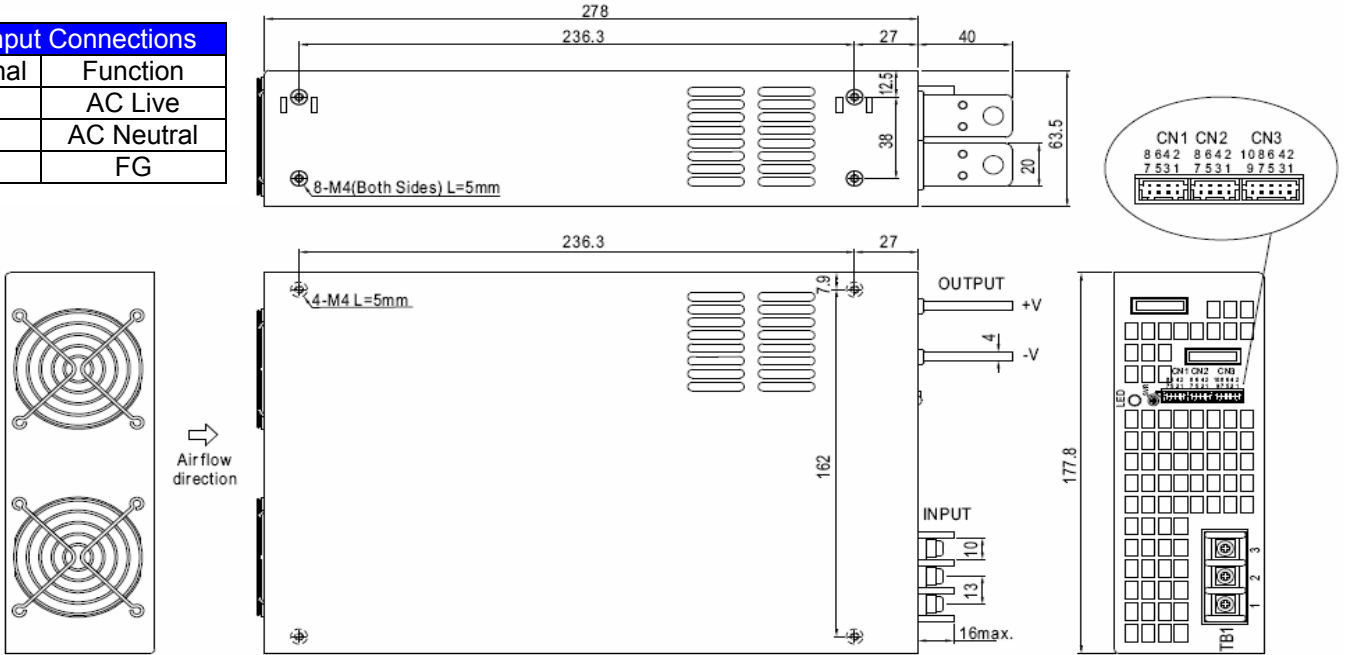
Model	Output Voltage	Output Trim Range	Max Output Current	Efficiency
RSP-2400-12	12 V	2.4 to 13.2 V	166.7 A	87 %
RSP-2400-24	24 V	4.8 to 28 V	100 A	89.5 %
RSP-2400-48	48 V	9.6 to 56 V	50 A	91.5 %

Please see next page for mechanical drawings.

# 2400 Watt, RSP-2400 Series, Enclosed Power Supply

**ALL PSU LTD**  
Electronic Power Solutions

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



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	RC	6	CS (Current Share)		
3	PV	8	+Sense		
4	PS				

RCG : Remote on/off Ground

RC : Remote on/off

PV : Output Voltage External Control

PS : Reference Voltage Terminal

-S : - Remote Sensing

CS : Load Share

+S : + Remote Sensing

Control Pin No. Assignment (CN3) : HRS DF11-10DP-2DS Or Equivalent							
Pin No	Assignment	Pin No	Assignment	Pin No	Assignment	Mating Housing	Terminal
1	P OK GND	4	P OK 2	7	AUXG	HRS DF11-10DS Or Equivalent	HRS DF11-**SC Or Equivalent
2	P OK	5	RCG	8	AUX		
3	P OK GND 2	6	RC	9	OLP		
				10	OL-SD		

P OK GND : Power OK Ground

P OK : Power OK Signal(relay contact)

P OK2 : Power OK Signal(TTL Signal)

AUXG : Auxiliary Ground

RCG : Remote on/off Ground

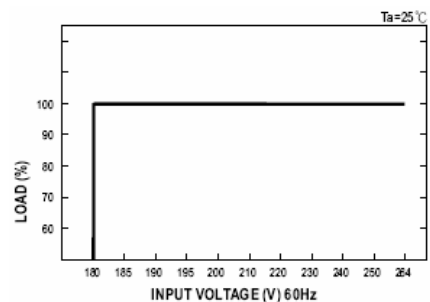
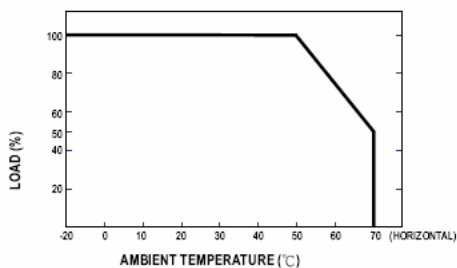
RC : Remote on/off

OLP : OLP Signal

OL-SD : OLP Shutdown Signal

AUX : Auxiliary Output

## Derating, (Input AC Supply & Temperature)



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

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