

500 Watt, RSP-500 Series, Enclosed Power Supply

- Universal AC Input with PFC
- High Efficiency up to 90.5%
- 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
- Conformal Coating Option
- 1U Compatible Low Profile 40.5mm Height



Specification

Input Voltage.....	.85~264 VAC, 47~63 Hz (120-370 VDC)
Power Factor.....	0.95 @ 230 VAC, 0.98 @ 115 VAC
Output Voltage.....	See table below for models and adjustment range
Over Load Protection.....	105~130% O/P Constant Current Limiting
Over Voltage Protection.....	Dependant on model, typically 135%
Set Up, Rise, Hold Up Time.....	typ 1500ms, 80ms, 18ms @ Full Load & 230 VAC
Withstand Voltage.....	I/P-O/P: 3 kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC
Operating Temperature	-30 to +70 °C, see derating curve
Safety Standards.....	UL60950-1 TUV EN60950-1
EMC.....	EN55022, (CISPR22) Class B, EN61000-4-2,3,4,5,6,8,11 EN61000-3-2,3, EN55024, EN61204-3 heavy industry level, criteria A, EN610006-2
MTBF.....	187.7K hrs minimum (MIL-HDBK-217F @ 25°C)
Mechanical Size & Weight.....	230 x 127 x 40.5 mm, 1.3 Kg
Connections Input & Output.....	Screw Terminals

Models and Ratings

Model	Output Voltage	Output Voltage Adj Range	Maximum Output Current	Efficiency
RSP-500-3.3	3.3 Volts	2.8 to 3.6 Volts	90 Amps	81 %
RSP-500-4	4 Volts	3.6 to 4.3 Volts	90 Amps	83 %
RSP-500-5	5 Volts	4.5 to 5.5 Volts	90 Amps	84 %
RSP-500-12	12 Volts	10 to 13.2 Volts	41.7 Amps	88 %
RSP-500-15	15 Volts	13.5 to 18 Volts	33.4 Amps	88 %
RSP-500-24	24 Volts	20 to 26.4 Volts	21 Amps	89 %
RSP-500-27	27 Volts	26 to 30 Volts	18.6 Amps	89.5 %
RSP-500-48	48 Volts	41 to 56 Volts	10.5 Amps	90.5 %

Please see next page for mechanical drawings, connections and derating.

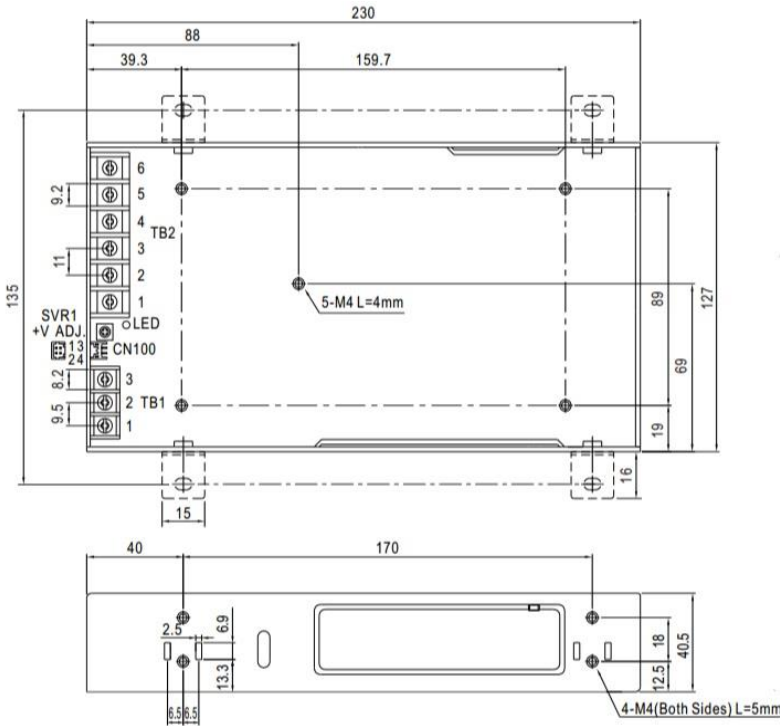
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Mechanical Drawings (includes 4 x optional side mounting brackets).



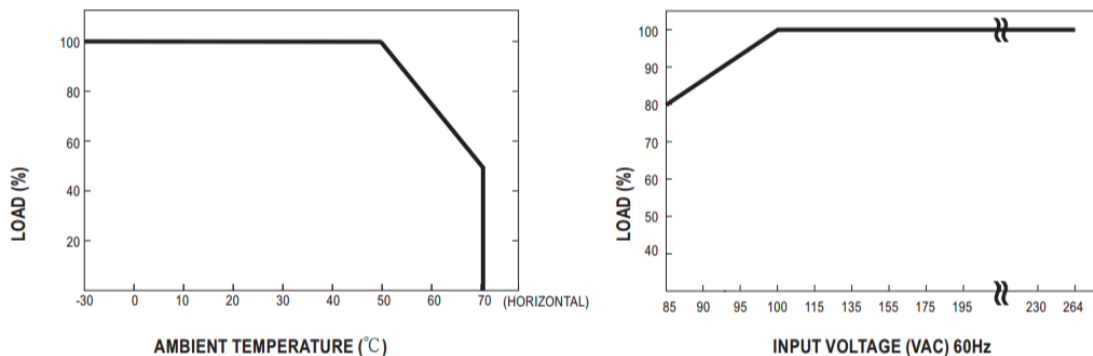
Connections (AC Input)	
Terminal	Function
1	AC Live
2	AC Neutral
3	Input Earth
Connections (DC Output)	
1-3	-DC Out
4-6	+DC Out

Remote ON/OFF & Sense (CN1) :
HRS DF11-04DP-2DS or Equivalent

Terminal	Function	Mating Housing	Terminal
1	-S	HRS DF11-4DS or equivalent	HRS DF11-***SC or equivalent
2	+S		
3	RC+		
4	RC-		

Pin No.	Function	Description
1	-S	The -S should be connected to the negative terminal of the load. The -S & +S should be twisted in pair to minimize noise pick-up effect. The maximum line drop compensation is 0.3 Volts.
2	+S	The +S should be connected to the positive terminal of the load. The -S & +S should be twisted in pair to minimize noise pick-up effect. The maximum line drop compensation is 0.3 Volts
3	-RC	Return for +RC (Remote on/off Control) signal input
4	+RC	Turns the output on and off by electrical or dry contact between pin 4(+RC) and pin 3(-RC) . 0-0.8VDC or open = Power ON, 4-10VDC = Power OFF

Ambient Temperature and AC Input Derating Curves



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

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