

100 Watt, RSP-100 Series, Enclosed Power Supply

- Universal AC Input With PFC
- High Efficiency Up To 88%
- 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
- Conformal Coating Option
- Sub 1U Low Profile 30mm



Specification

Input Voltage.....	.85~264 VAC, 47~63 Hz (120-370 VDC)
Power Factor.....	0.93 @ 230 VAC, 0.98 @ 115 VAC
Output Voltage.....	See table below for models and adjustment range
Over Load Protection.....	105~135% O/P Constant Current Limiting
Over Voltage Protection.....	Dependant on model, typically 135%
Set Up, Rise, Hold Up Time.....	typ 600ms, 30ms, 16ms @ Full Load/230 VAC
Remote On/Off.....	0-0.8 Volts (open) = Output On, Externally supplied 4-10 Volts DC = Output Off
Isolation Voltage.....	I/P-O/P: 3.75 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, EN61558-1, EN61558-2-16 CCC GB4943
EMC.....	EN55022, (CISPR22) Class B, EN61000-4-2,3,4,5,6,8,11 EN61000-3-2,3, EN55024, light industry level, criteria A GB9254 class B
Mechanical Size & Weight.....	179 x 99 x 30 mm, 0.44 Kg
Connections Input & Output.....	Screw Terminals

Models and Ratings

Model	Output Voltage	Output Voltage Adj Range	Maximum Output Current	Efficiency
RSP-100-3.3	3.3 Volts	3.14 to 3.63 Volts	20 Amps	83 %
RSP-100-5	5 Volts	4.75 to 5.5 Volts	20 Amps	86 %
RSP-100-7.5	7.5 Volts	7.13 to 8.25 Volts	13.5 Amps	87 %
RSP-100-12	12 Volts	11.4 to 13.2 Volts	8.5 Amps	86 %
RSP-100-13.5	13.5 Volts	12.8 to 14.9 Volts	7.5 Amps	86.5 %
RSP-100-15	15 Volts	14.3 to 16.5 Volts	6.7 Amps	87 %
RSP-100-24	24 Volts	22.8 to 26.4 Volts	4.2 Amps	87 %
RSP-100-27	27 Volts	25.7 to 29.7 Volts	3.8 Amps	87 %
RSP-100-48	48 Volts	45.6 to 52.8 Volts	2.1 Amps	88 %

Please see next page for mechanical drawings, connection details and derating.

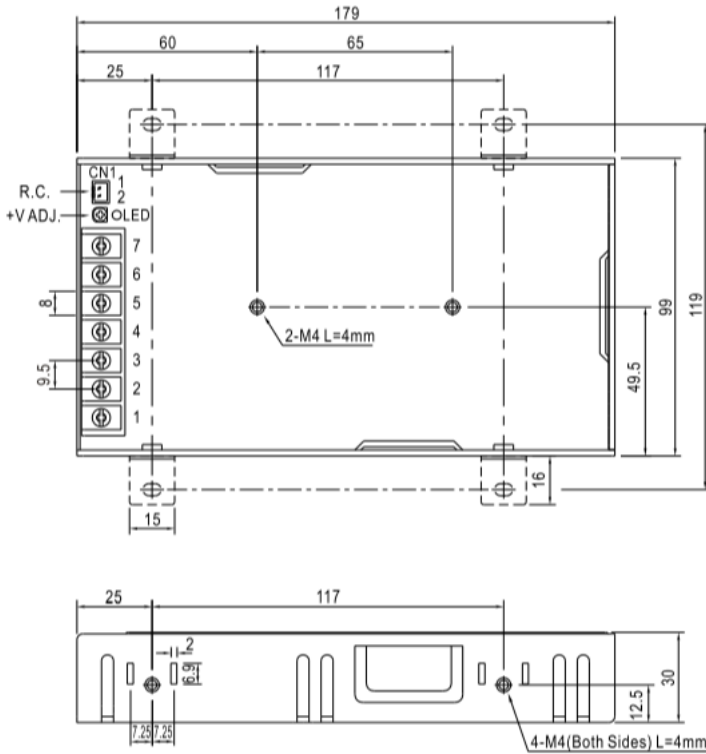
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Mechanical Drawings, (includes 4 x optional side mounting lugs)

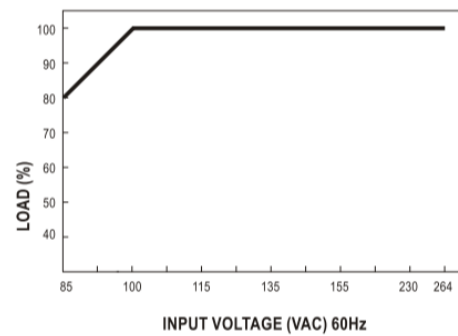
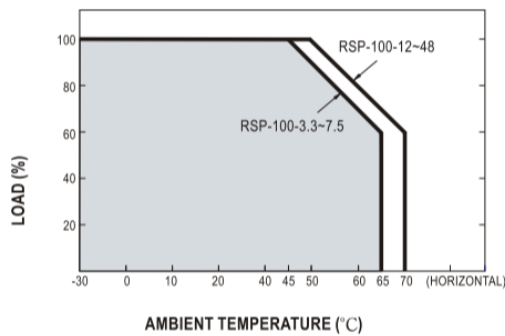


Connections	
Terminal	Function
1	AC Live
2	AC Neutral
3	Input Earth
4 and 5	-DC Out
6 and 7	+DC Out

Remote ON/OFF (CN1)

Terminal	Function	Mating Housing	Terminal
1	RC+	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent
2	RC-		

Temperature and AC Input Derating Curves :



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

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