

## 300 Watt, HRP(G)-300 Series, Enclosed Power Supply

**ALL PSU LTD**  
Electronic Power Solutions

- Universal AC Input With Active PFC
- Stand-By 5V @ 0.3 A Auxiliary Output (G option)
- Ultra High Reliability, 5 Year Warranty
- Short Circuit, Over Voltage, Over Load, Over Temperature Protection
- Full Approvals : UL/CUL/TUV/CB/CE
- Remote On/Off Control (G Option)
- Remote Sense, Power Good Signal
- Built In Constant Current Limiting Circuit
- No Load Power Consumption <0.5 W (G option)
- Withstands 300VAC Surge Input for 5 Seconds



### Specification

Input Voltage.....	85~264 VAC, 47~63 Hz (120-370 VDC)
Power Factor.....	0.95 @ 230 VAC, 0.99 @ 115 VAC
Inrush Current.....	(typ.) 35A / 115VAC, 70A / 230VAC
Output Voltage.....	See table below (plus +/- 15% typ pot adjustment range)
Over Load Protection.....	105~135% O/P Constant Current Limiting
Over Voltage Protection.....	115~145% Depends on output Voltage
Over Temperature Protection.....	Shuts Down, Automatic recover when cooled
Set Up, Rise, Hold Up Time.....	(typ.) 1000ms, 50ms, 16ms @ full load
Withstand Voltage.....	I/P-O/P: 3 kVAC, I/P-F/G: 1.5kVAC, O/P-F/G: 0.5kVAC
Operating Temperature .....	-40 to +70 °C, derates above +50°C see curve
Cooling.....	Internal temperature controlled fan
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 ENV50204, EN55024, EN61000-6-2, Heavy Industrial Level Criteria A
MTBF.....	176K hrs, MIL-HDBK-217F @ 25°C
Mechanical .....	199 x 105 x 41 mm (plus input & output terminals to length)
Connections Input & Output.....	Screw Terminals

### Models and Ratings

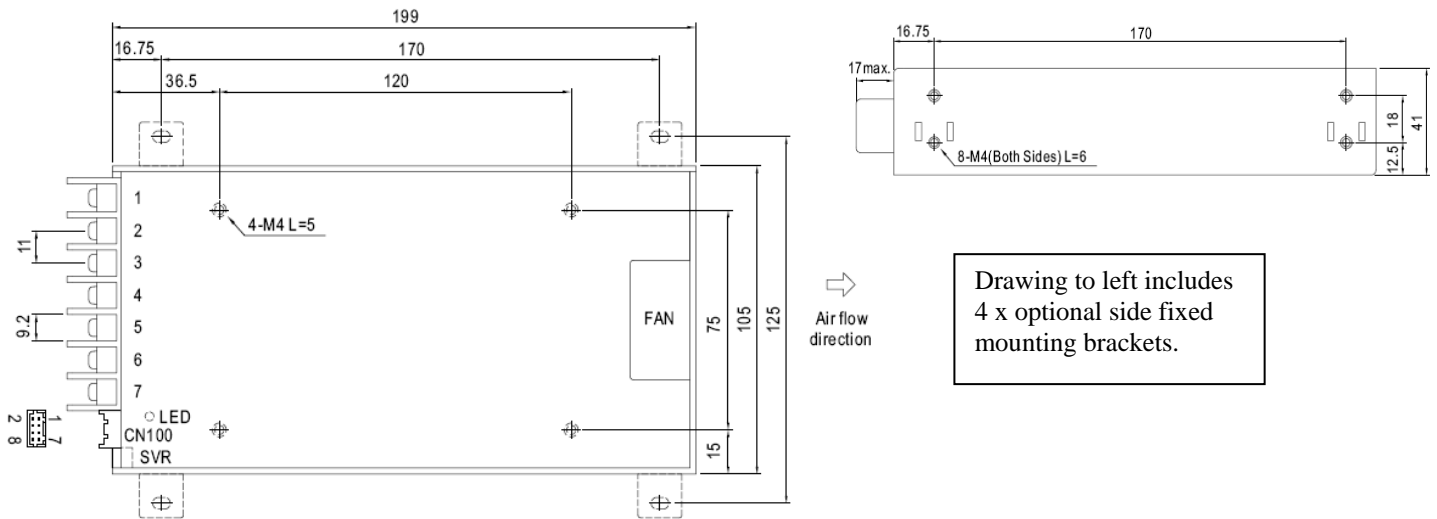
Model	Output Voltage	Output Voltage Range	Max Output Current	Efficiency
HRP(G)-300-3.3	3.3 V	2.8 to 3.8 V	60 A	80 %
HRP(G)-300-5	5.0 V	4.3 to 5.8 V	60 A	82 %
HRP(G)-300-7.5	7.5 V	6.8 to 9.0 V	40 A	86 %
HRP(G)-300-12	12 V	10.2 to 13.8 V	27 A	88 %
HRP(G)-300-15	15 V	13.5 to 18.0 V	22 A	88 %
HRP(G)-300-24	24 V	21.6 to 28.8 V	14 A	87 %
HRP(G)-300-36	36 V	28.8 to 39.6 V	9 A	88 %
HRP(G)-300-48	48 V	40.8 to 55.2 V	7 A	89 %

**Note : (G) versions include 5 Volt stand-by and <0.5 Watt No Load Input Power**

Please see next page for mechanical drawings.

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## Mechanical Drawings.



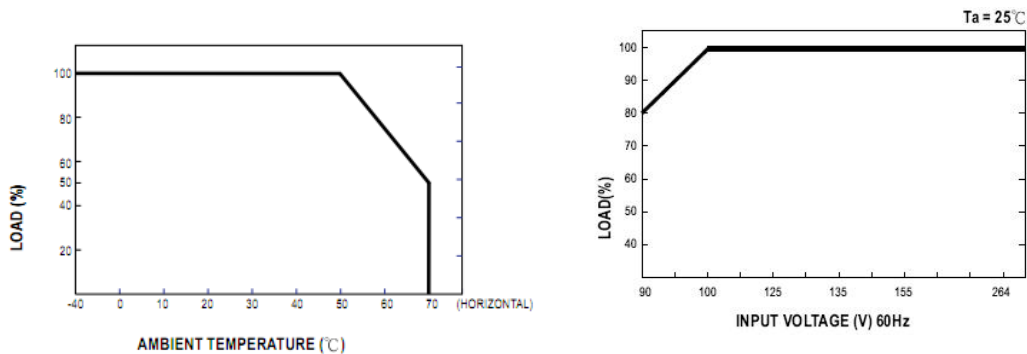
Drawing to left includes 4 x optional side fixed mounting brackets.

AC Input & DC Output Connections			
Terminal	Function	Terminal	Function
1	AC Live	4,5	DC Output -V
2	AC Neutral	6,7	DC Output +V
3	Input Earth		

Signals Connector Pin No. Assignment (CN100) : HRS DF11-8DP-2DS Or Equivalent (standard non G version has no connections on pins 1,2, 4,6)

Pin No	Assignment	Pin No	Assignment	Mating Housing	Terminal
1	AUX	6	RC+	HRS DF11-8DS Or Equivalent	HRS DF11- **SC Or Equivalent
2	AUXG	7	+Sense		
3	DC OK	8	-Sense		
4	RC-				
5	GND				

### Derating, (Input AC Supply & Temperature)



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

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