

## 600 Watt, HRP(G)-600 Series, Enclosed Power Supply

**ALL PSU LTD**  
Electronic Power Solutions

- Universal AC Input With PFC
- Stand By 5V @ 0.3 A (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
- Current Sharing For Parallel Operation (G Option)
- No Load Power Consumption <0.75 W (G option)
- Withstand 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%
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, 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 ENV50204, EN55024, EN61000-6-2, Light Industrial Level Criteria A
MTBF.....	147.7K hrs, MIL-HDBK-217F @ 25°C
Mechanical .....	218 x 105 x 63.5 mm (plus input & output terminals to length)
Connections Input & Output.....	Screw Terminals

### Models and Ratings

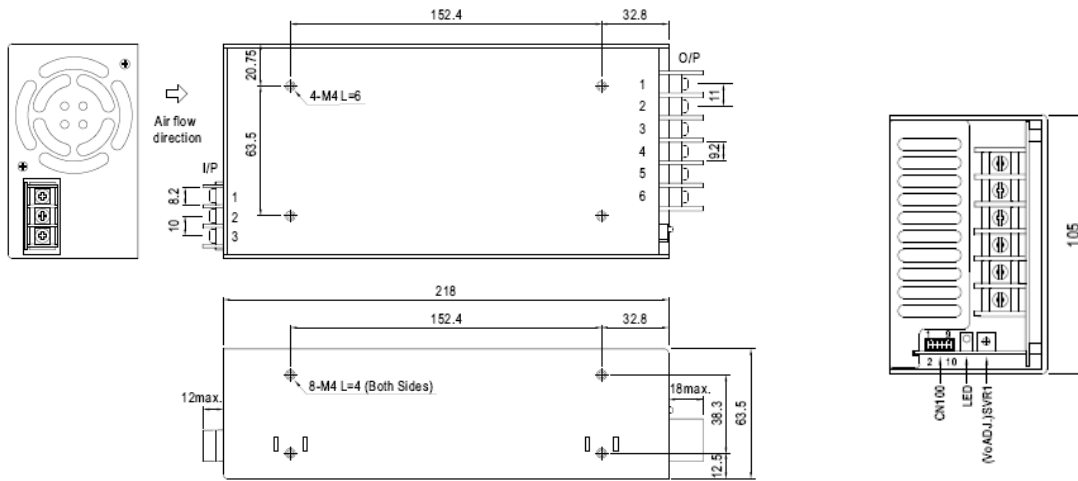
Model	Output Voltage	Output Voltage Range	Max Output Current	Efficiency
<a href="#">HRP(G)-600-3.3</a>	3.3 V	2.8 to 3.8 V	120 A	79 %
<a href="#">HRP(G)-600-5</a>	5 V	4.3 to 5.8 V	120 A	82 %
<a href="#">HRP(G)-600-7.5</a>	7.5 V	6.8 to 9 V	80 A	86 %
<a href="#">HRP(G)-600-12</a>	12 V	10.2 to 13.8 V	53 A	88 %
<a href="#">HRP(G)-600-15</a>	15 V	13.5 to 18 V	43 A	88%
<a href="#">HRP(G)-600-24</a>	24 V	21.6 to 28.8 V	27 A	88 %
<a href="#">HRP(G)-600-36</a>	36 V	28.8 to 39.6 V	17.5 A	89 %
<a href="#">HRP(G)-600-48</a>	48 V	40.8 to 55.2 V	13 A	89 %

**Note : (G) versions include 5 Volt stand-by and <0.75 Watt no load input power.**

Please see next page for mechanical drawings.

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## Mechanical Drawings.

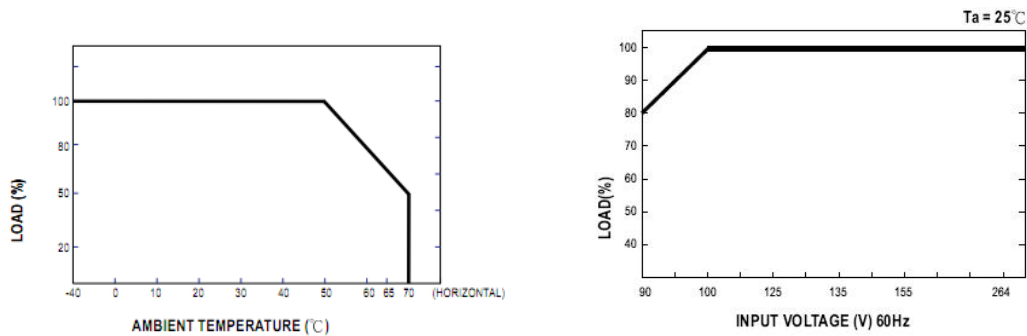


AC Input Connections	
Terminal	Function
1	AC Live
2	AC Neutral
3	Input Earth

DC Output Connections	
Terminal	Assignment
1-3	- V
4-6	+ V

Signals Connector Pin No. Assignment (CN100) : HRS DF11-10DP-2DS Or Equivalent (Standard non G option units have 4 pin connector and exclude the functions on pins 1 to 5 below)					
Pin No	Assignment	Pin No	Assignment	Mating Housing	Terminal
1	AUXG	6,8	GND	HRS DF11-10DS Or Equivalent	HRS DF11-10DS Or Equivalent
2	AUX (5V)	7	DC-OK		
3	Remote Ctl+	9	+Sense		
4	Remote Ctl-	10	-Sense		
5	Current Share				

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



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

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