

500W Quart Outputs Power Supply

HF500W-QV



FEATURES

- AC input selectable by switch (85-130/170-264Vac)
- Compact size for quart outputs
- Top international brand components for key parts
- Electrolytic capacitors all 105 °C
- Protections: Overload/ over voltage/ short circuit
- 3 years limited warranty
- Dimension: 240 x 124 x 60mm

SPECIFICATIONS

Input Voltage	85-130/170-264Vac
Input Current	8.0A
Input Frequency	47~63Hz
Inrush Current	cold start, 40A/230V
Input Leakage Current	< 1.0mA/230VAC
Line Regulation (full load)	V1 \pm 0.5% V2,V3,V4 \pm 1%
Voltage Adjust Range	V1 \pm 5%
Output Overload Protection	105~150%, hiccup mode, Auto recover
Output Over Voltage Protection	115~150%, Shut off re-power on to recover
Short Circuit Protection	Shut off re-power on to recover
Rise Time	50ms @full load (typical)
Hold up Time	20ms @full load (typical)
Mechanical Feature	metal housing, din rail mounting
Dimensions	240 x 124 x 60mm (L x W x H)

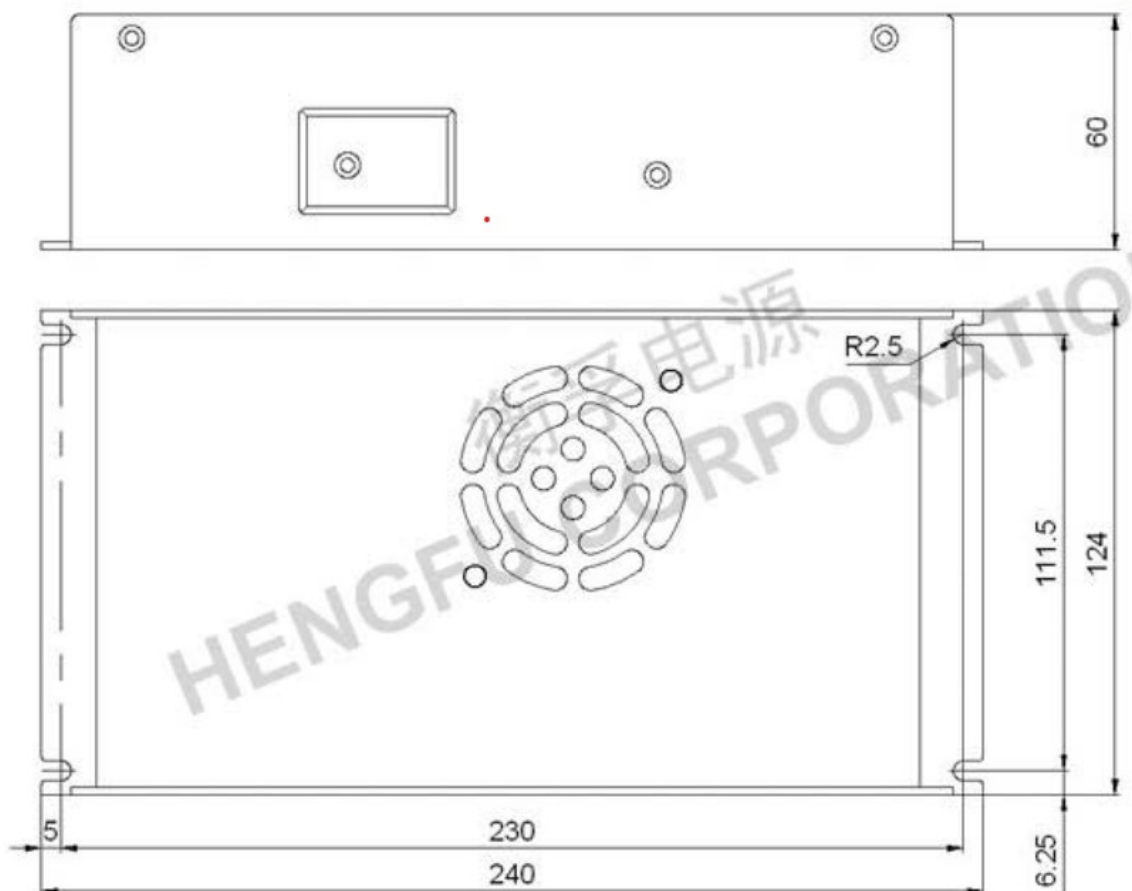
Operating Temperature	-20°C ~+70°C(ref. derating curve)
Storage Temperature	-20°C ~+85°C
Operating Humidity	20%~93%RH(non condensing)
Storage Humidity	20%~95%RH(non condensing)
MTBF	>100,000 hours
Cooling	Fan
Safety Standards	meet , UL60950, EN60950
EMC Standards	meet GB9254, EN55022 Class A EN55024, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
Withstand Voltage	I/P -O/P: 1.5KVAC/1min I/P - PE: 1.5KVAC/1min O/P-PE: 0.5KVAC/1min
Vibration	10~150Hz, 2G 10min/1cycle, 30min each along X, Y, Z axes
Connection	7P/4.96 mm pitch 3P/4.96 mm pitch screw terminal block
Weight	1.10Kg/unit , 16units/full carton

Model No.	DC Output		Voltage Tolerance	Load regulation	Ripple & Noise (max.)	Efficiency
HF500W-QV-A	24V	0-15A	\pm 1%	\pm 0.5%	200mv	81%
	15V	0.2-5A	\pm 3%	\pm 6%	150mV	
	-15V	0.2-5A	\pm 10%	\pm 6%	150mV	
	5V	0-5A	\pm 3%	\pm 1%	150mV	

NOTE

1. All parameters are measured at 230VAC input, rated load and 25°C ambient temperature.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 0% to 100% of rated load for single output models. For multi-output models, it is measured from 20% to 100% of rated load, and other output at 60% rated load.
4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
5. The power supply is regarded as a component which will be installed into the final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Drawing



Terminal Pin No. Assignment

Maximum screw length : 5mm

Pin No.	Assignment	Pin No.	Assignment
1	PE	7	COM
2	N	8	V2
3	L	9	COM
4	V4	10	V1
5	COM		
6	V3		

