

1000W Single Output Power Supply

HF800W-SE



FEATURES

- AC 85-132/170-264 selectable by switch Optional
- High efficiency rate over 91%
- Economical design, competitive price
- Protections: over load/ over voltage/ short circuit
- Built-in remote ON-OFF control
0-5V output control function (optional)
- Dimension: 278.00x 127.00 x 63.5mm

SPECIFICATIONS

Input Voltage	90-170Vac /170-264Vdc
Input Current	10A 220Vac typical
Input Frequency	47~63Hz
Inrush Current	cold start, 30A/115V, 60A/230V
Input Leakage Current	< 1.0mA/230VAC
Line Regulation (full load)	<± 0.5%
Voltage Adjust Range	± 10%
Output Overload Protection	105~130%, shut off, Re-power on for recovery
Output Over Voltage Protection	115~150%, shut off, Re-power on for recovery
Short Circuit Protection	shut off, Re-power on for recovery
Rise Time	200ms @full load (typical)
Hold up Time	16ms @full load (typical)
Mechanical Feature	metal enclosure
Dimensions	278 x 127 x 63.5mm (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	By fan speed control by internal temperature
Safety Standards	meet UL 508UL62368, EN62368
EMC Standards	meet GB9254, EN55032 Class B EN55024, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
Withstand Voltage	I/P -O/P: 3.0KVAC/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	3P/9.5 mm terminal block Φ 9*30copper pole
Weight	2Kg/unit

Model No.	DC Output	Rated Power	Load Regulation	Voltage Tolerance	Ripple & Noise (max.)	Efficiency
HF800W-SE-24	24V 33A	792W.	0.5%	±1%	120mVp-p	85%
HF800W-SE-48	48V 17A	816W.	0.5%	±1%	240mVp-p	87%
HF1000W-SE-24	24V 42A	1008W.	0.5%	±1%	120mVp-p	85%
HF1000W-SE-48	48V 21A	1008W	0.5%	±1%	240mVp-p	87%

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

Pin No.	Assignment	Pin No.	Assignment
1	AC L	5	DC output -V
2	AC N		
3	PE		
4	DC output +V		

Pin 1-3 WJ68R-3P (input terminal) Pin 4-5 Φ 9*30(output copper pole)

Derating Curve

