

120W Single Output Industrial DIN Rail Power Supply (HDR-120)



HDR-120...

Feature

- Universal AC input / full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switch frequency at 55KHz
- 3 years warranty
- Dimensions: 65.5*125.2*100mm (W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model	HDR-120-12	HDR-120-24	HDR-120-48	
Output	DC Voltage	12V	24V	48V
	Voltage Tolerance	±2%	±1%	±1%
	Rated Current	10A	5A	2.5A
	Current Range	0-10A	0-5A	0-2.5A
	Rated Power	120W	120W	120W
	Ripple & Noise	80mVp-p	80mVp-p	100mVp-p
	DC Voltage Adj.Range	12-14V	24-28V	48-53V
	Setup,Rise Time	500ms,70ms/230VAC at full load 500ms,70ms/115VAC at full load		
	Hoid time	36ms/230VAC 32ms/115VAC at full load		
Input	Voltage Range	88-132 VAC/176-264VAC 47-63 Hz;selected by 248-370VDC		
	AC Current	2.6 A/115 V 1.6A/ 230 V		
	Efficiency	80%	84%	85%
	Inrush Current	Cold start 20A/115V 40A/230V		
Protection	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed		
	Over Voltage	120%~135% Protection type: Shut down o/p voltage, re-power on to recover		
	Over Temperature	85°C ±5°C(TSW1)	90°C ±5°C(TSW1)	90°C ±5°C(TSW1)
Environment	Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH		
	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH		
	Vibration	10-500Hz, 2G 10min./1 cycle, period for 60min, each along X, Y, Z axes		
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC		
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC		
Standards	Safety Standard	Design refer to UL508,UL60950-1, TUV EN60950-1		
	EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11, ENV50204,EN55024, EN61000-6-2(EN50082-2)		
Others	Weight	0.79Kg		
	Packing	20pcs/16.5Kg/1.1CUFT		

Outline and dimension

