

240W Single Output Industrial DIN Rail Power Supply (HDR-240)



HDR-240...

Feature

- Universal AC input/ full range
- Built-in active PFC function
- 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 switching frequency at 100KHz
- 3 years warranty
- Dimentsions: 125.5*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-240-24	HDR-240-48	
Output	DC Voltage	24V	48V
	Voltage Tolerance	±1%	±1%
	Rated Current	10A	5A
	Current Range	0-10A	0-5A
	Rated Power	240W	240W
	Ripple & Noise	80mVp-p	150mVp-p
	DC Voltage Adj.Range	24-28V	48-53V
	Setup,Rise,Hold Time	800ms, 40ms/230VAC at full load 800ms, 40ms/115VAC at full load	
Input	Voltage Range	88~264VAC 47-63 Hz, selected by switch 120~370VDC	
	AC Current	2.8A/115 V 1.4A/ 230V	
	Efficiency	84%	85%
	Inrush Current	Cold start 27A/115V 45A/230V	
Protection	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed	
	Over Voltage	30-36V	54-60V
	Over Temperature	100°C ±5°C (TSW1) Protection type: Shut down o/p voltage, recovers automatically after temperature goes down	
Environment	Working Temp & Humidity	-10°C~+70°C, 20%~90 %RH	
	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH	
	Vibration	10~500Hz, 2G 10min./1cycle, 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	EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN55024,EN61000-6-2(EN50082-2)	
Others	Weight	1.2Kg	
	Packing	12pcs/15.5Kg/1.2CUFT	

Outline and dimension

Terminal Pin No. Assignment(TB1)

Pin No.	Assignment
1	FG
2	AC/N
3	AC/L

Terminal Pin No. Assignment(TB2)

Pin No.	Assignment
1, 2	DCOUTPUT+V
3, 4	DCOUTPUT-V

ADMISSIBLE DIN-RALL:TS35/7.5 OR TS35/15

Output Derating

Output Derating VS Input Voltage