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480W Single Output Industrial DIN Rail Power Supply (HDR-480)

HDR-480...

Feature

- High efficiency(89%), low dissipation
- Built–in passive PFC function compli ance to EN61000–3–2
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS–35/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- EN61000–6–2(EN50082–2) industrial immunity level
- 3 years warranty
- Dimensions: 227*125.2*100mm(W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.

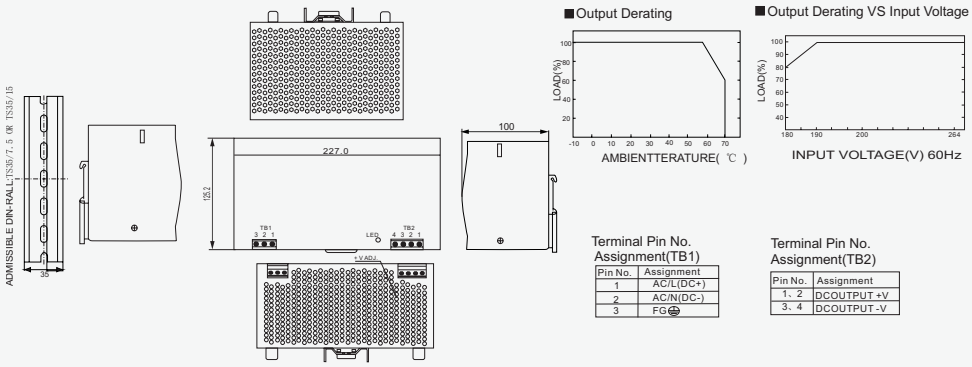
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.

- 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-480-24	HDR-480-48
Output	DC Voltage	24V	48V
	Voltage Tolerance	±1%	±1%
	Rated Current	20A	10A
	Current Range	0-20A	0-10A
	Rated Power	480W	480W
	Ripple & Noise	120mVp-p	120mVp-p
	DC Voltage Adj.Range	24-28V	48-53V
	Setup,Rise Time	1200ms,40ms/230VAC at full load	
	Hold time	16ms/230VAC	
Input	Voltage Range	180~264VAC 47-63 Hz;250~370VDC	
	AC Current	4A/ 230 V	
	Efficiency	89%	89%
	Inrush Current	Cold start 40A/230V	
Protection	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed	
	Over Voltage	30-36V	54-60V
		Protection type: Shut down o/p voltage, re-power on to recover	
	Over Temperature	100℃±5℃(TSW)	
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down	
Environment	Working Temp & Humidity	-20˚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	EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN55024,EN61000-6-2(EN50082-2)	
Others	Weight	2.4Kg	
	Packing	6pcs/15Kg/1.75CUFT	

Outline and dimension



Terminal Pin No. Assignment(TB1)

Pin No.	Assignment
1	AC/L(DC+)
2	AC/N(DC-)
3	FG ⏚

Terminal Pin No. Assignment(TB2)

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