



乐清市乐宇自动化电气有限公司

Yueqing Leyu Electric Automation Co., Ltd.

480W Single Output Industrial DIN Rail Power Supply with PFC Function DRP-480 series

Features:

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-35/7.5 or 15

LED indicator for power on

100% full load burn-in test

2 years warranty

SPECIFICATIONS		
OUTPUT		
Model	DRP-480-24	DRP-480-48
DC Voltage	24V	48V
Rated Current	20A	10A
Current Range	0-20A	0-10A
Rated Power	480W	480W
Ripple & Noise	120mVp-p	120mVp-p
Voltage Adj. Range	24-28V	48-53V
Voltage Tolerance	±1%	±1%
Line regulation	±0.5%	±0.5%
Load regulation	±1%	±1%
Setup, Rise Time	1200ms,40ms/230VAC at full load	
Hold Up Time	16ms/230VAC at full load	
INPUT		
Voltage Range	180~264VAC 47~63Hz; 250~370VDC	
AC Current	4A/230VAC	
Efficiency	89%	89%
Inrush Current	Cold start 40A/230VAC	
Leakage Current	<3.5mA/240VAC	
PROTECTION		
Over Load	105%~150% rated output power	
	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	



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Over Temp.	100°C±5°C(TSW1) Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	
Working Temp., Humidity	-20°C~+70°C; 20%~90%RH non-condensing
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/25°C/70% RH
STANDARD	
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,EN61000-6-2(EN50082-2), heavy industrial level, criteria A
OTHERS	
Dimension	227*125.2*100mm(L*W*H)
Weight	2.4Kg
Packing	6pcs/carton/15kg/1.75CUFT
NOTE	

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. 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.



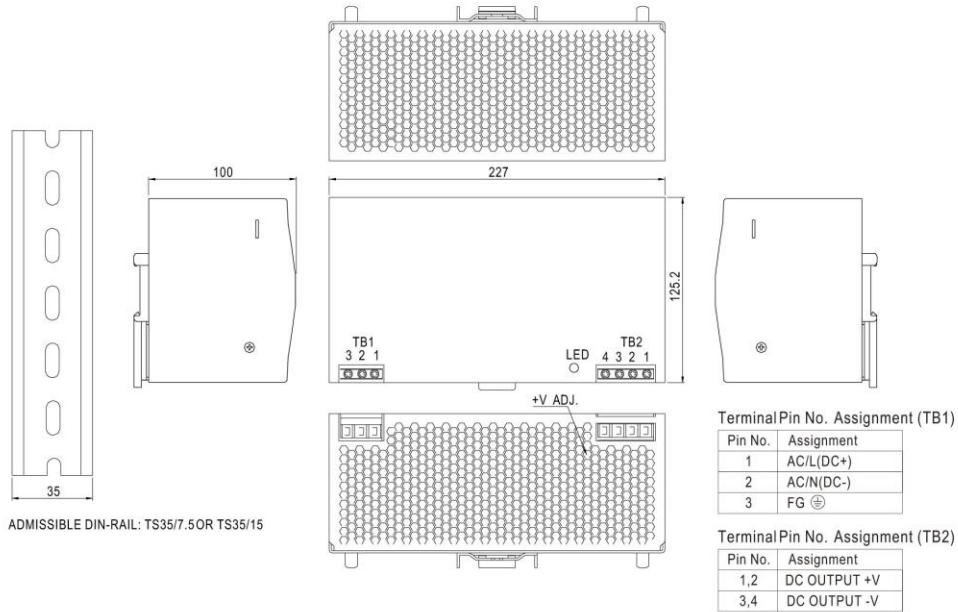
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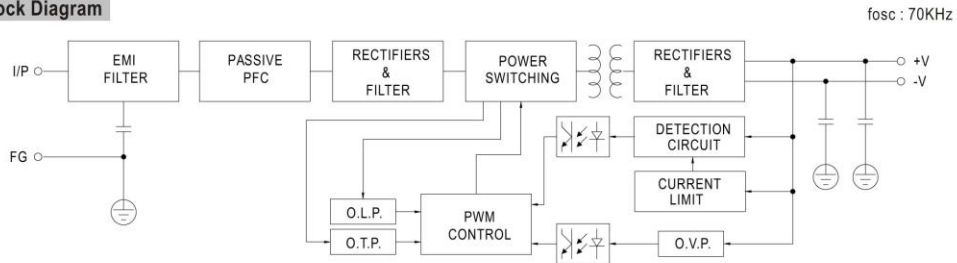
480W Single Output Industrial DIN RAIL with PFC Function

DRP-480 series

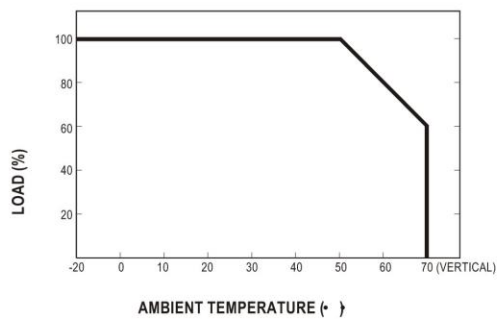
■ Mechanical Specification



■ Block Diagram



■ Derating Curve



■ Output Derating VS Input Voltage

