



# 乐清市乐宇自动化电气有限公司

Yueqing Leyu Electric Automation Co., Ltd.

## 240W Single Output Industrial DIN Rail Power Supply

DRP-240 series

Features:

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-35/7.5 or 15

LED indicator for power on

100% full load burn-in test

Fixed switching frequency at 100KHz

2 years warranty

SPECIFICATIONS		
<b>OUTPUT</b>		
Model	DR-240-24	DR-240-48
DC Voltage	24V	48V
Rated Current	10A	5A
Current Range	0-10A	0-5A
Rated Power	240W	240W
Ripple & Noise	80mVp-p	150mVp-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	800ms,40ms/230VAC 800ms,40ms/115VAC at full load	
Hold Up Time	24ms/230VAC 24ms/115VAC at full load	
<b>INPUT</b>		
Voltage Range	85~264VAC 47~63Hz; 120~370VDC	
AC Current	2.8A/115V 1.4A/230V	
Efficiency	84%	85%
Inrush Current	Cold start 27A/115VAC 45A/230VAC	
Leakage Current	<3.5mA/240VAC	
<b>PROTECTION</b>		
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



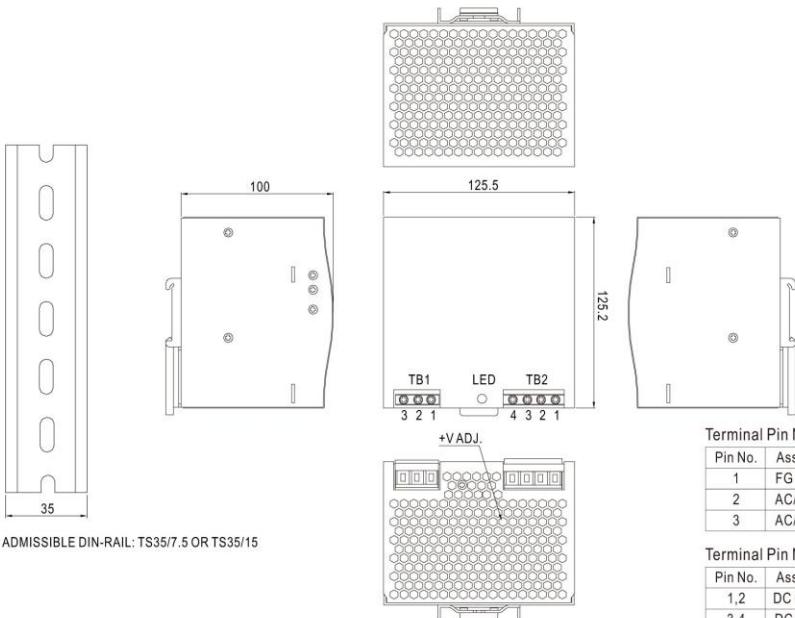
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	Protection type: Shut down o/p voltage, re-power on to recover
Over Temp.	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	
Working Temp., Humidity	-10°C~+70°C; 20%~90%RH non-condensing
Storage 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
STANDARD	
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), heavy industry level, criteria A
OTHERS	
Dimension	125.5*125.2*100mm(W*H*D)
Weight	1.2Kg
Packing	12pcs/15.5Kg/1.29CUFT
NOTE	
<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μf &amp; 47μf parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>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.</li> <li>5. Derating may be needed under low input voltages. Please check the derating curve for more details.</li> </ol>	

240W Single Output Industrial DIN RAIL Power Supply **DRP-240 series**

**■ Mechanical Specification**



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

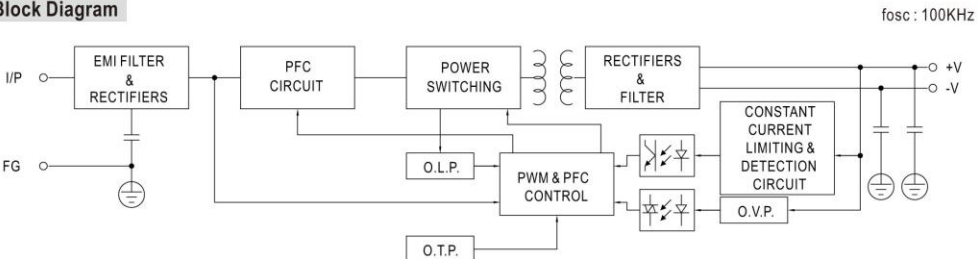
**Terminal Pin Number Assignment (TB1)**

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

**Terminal Pin Number Assignment (TB2)**

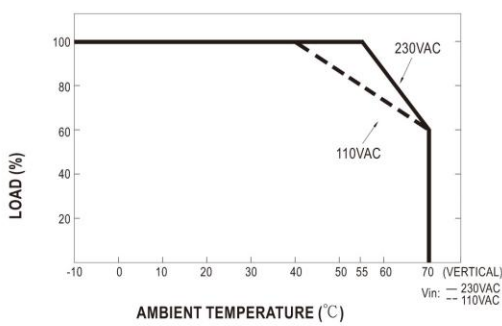
Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

**■ Block Diagram**

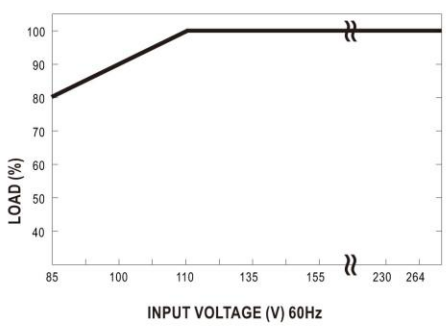


fosc : 100KHz

**■ Derating Curve**



**■ Output derating VS input voltage**





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