



乐清市乐宇自动化电气有限公司

Yueqing Leyu Electric Automation Co., Ltd.

100W Single Output Industrial DIN Rail Power Supply DR-100 series

Features:

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-35/7.5 or 15

LED indicator for power on

100% full load burn-in test

Isolation class II

No load power consumption<1W

2 years warranty

SPECIFICATIONS			
OUTPUT			
Model	DR-100-12	DR-100-15	DR-100-24
DC Voltage	12V	15V	24V
Rated Current	7.5A	6.5A	4.2A
Current Range	0-7.5A	0-6.5A	0-4.2A
Rated Power	90W	97.5W	100.8W
Ripple & Noise	120mVp-p	120mVp-p	150mVp-p
Voltage Adj. Range	12-15V	15-18V	24-29V
Voltage Tolerance	±2%	±1%	±1%
Line regulation	±1%	±1%	±1%
Load regulation	±1%	±1%	±1%
Setup, Rise Time	2700ms,80ms/230VAC 2700ms,80ms/115VAC at full load		
Hold Up Time	50ms/230VAC 18ms/115VAC at full load		
INPUT			
Voltage Range	85~264VAC 47~63 Hz; 124~370VDC		
AC Current	1.6A/115V 0.96A/230V		
Efficiency	87%	87%	89%
Inrush Current	Cold start 30A/115VAC 45A/230VAC		
Leakage Current	<1mA/240VAC		
PROTECTION			
Over Load	105%~135% rated output power		
	Protection type: Constant current limiting, recovers automatically after fault condition is removed		
Over Voltage	16-20V	19-23V	30-35V



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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	-20°C~+60°C; 20%~90% RH non-condensing
Storage Temp., Humidity	-40°C~+85°C; 10%~95%RH
Vibration	10~500Hz, 2G 10min./1cycle, 60min, each along X, Y, Z axes
SAFETY	
Withstand Voltage	I/P-O/P: 3KVAC
Isolation Resistance	I/P-O/P>100M Ohms / 500VDC/25°C/70%RH
STANDARD	
Safety Standard	Design refer to UL60950-1, TUV EN60950-1, EN50178
EMC Standard	EN61240-3, EN55022, EN61000-3-2, -3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A
OTHERS	
Dimension	100*93*56mm(L*W*H)
Weight	0.35Kg
Packing	36pcs/13.6Kg/0.89CUFT
NOTE	
<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor.</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>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.</p>	

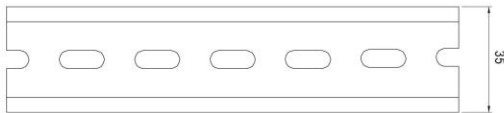
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DR-100 series

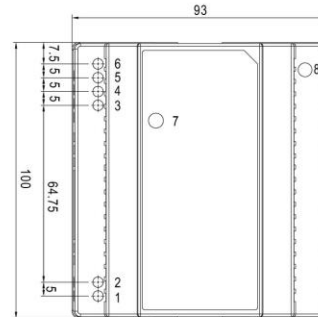
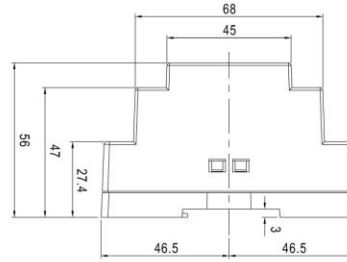
■ Mechanical Specification

Terminal Pin No. Assignment

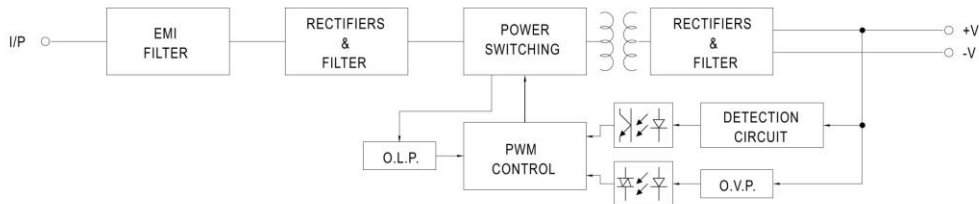
Pin No.	Assignment	Pin No.	Assignment
1	AC/L(+)	5,6	-V
2	AC/N(-)	7	LED
3,4	+V	8	+V ADJ.



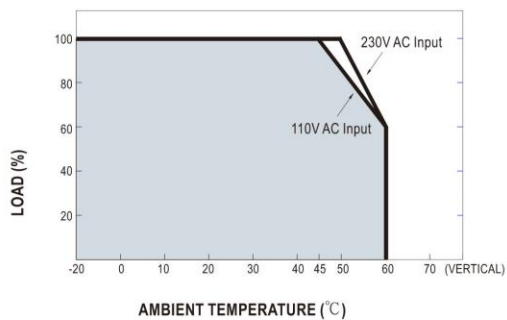
ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15



■ Block Diagram



■ Derating Curve VS Ambient Temperature



■ Output Derating VS Input Voltage

