

# DR-240Wseries single output industrial DIN rail power supply

DR-240 series



### Features:

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage
- Cooling by free air convection
- Can be installed on DIN rail ; TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- Years warranty

### SPECIFICATION

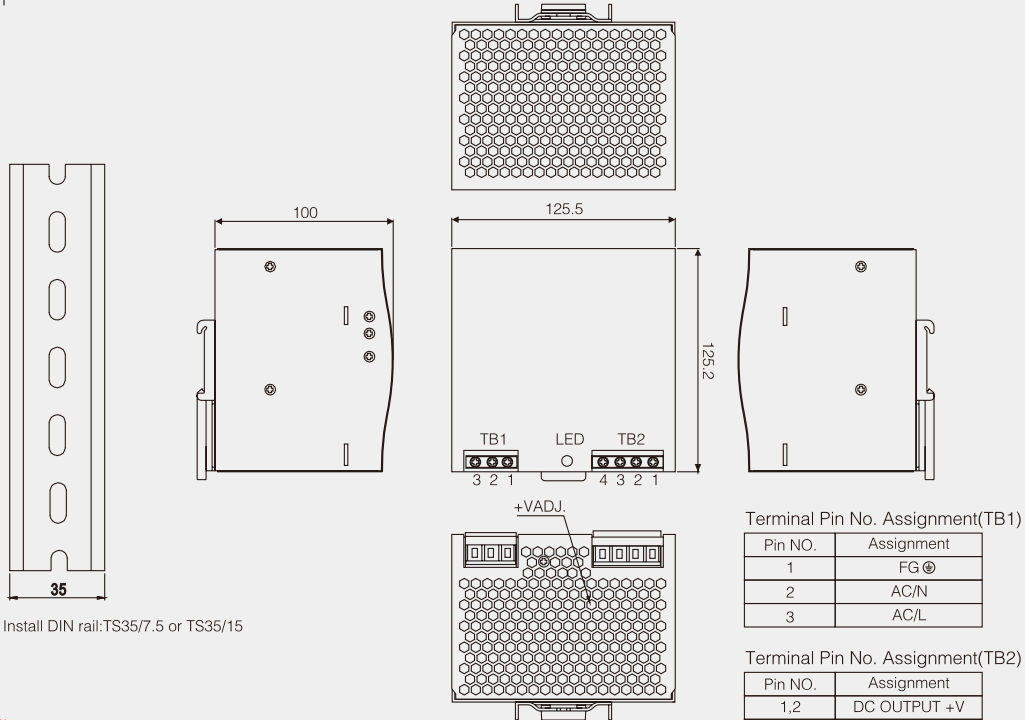
Dimension: 125.5 × 125.2 × 100mm

Model		DR-240-24	DR-240-36	DR-240-48
Output	DC voltage	24V	36V	48V
	Voltage tolerance	± 1%	± 1%	± 1%
	Rated current	10A	6.6A	5A
	Current range	0 ~ 10A	0 ~ 6.6A	0 ~ 5A
	Rated power	240W	237.6W	240W
	Ripple&noise	120mVp-p	150mVp-p	180mVp-p
	DC voltage ADJ. range	-9% ~ +10%	± 10%	± 10%
	Setup, rise, hold up time	800ms,40ms,16ms/230VAC.		
Input	Voltage range	90 ~ 132VAC/180 ~ 264VAC 47 ~ 63Hz(Selected by switch), 254 ~ 373VDC		
	AC current	2.8A/115VAC 1.4A/230VAC		
	Efficiency	85%	85%	86%
	Inrush current	Cold start27A/110VAC 45A/220VAC		
	leakage current	< 3.5mA/240VAC		
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Protection	Overload	Rated output power105% ~ 135%Start overload protection Protection type : rated current limit , auto-recovery after fault condition is removed		
	Over voltage	30.6 ~ 33.2V	42.6 ~ 44.2V	54.8 ~ 56.6V
		protection type : cutoff output, restart power after fault condition is removed can recover normal output		
	Over temperature	105°C ± 5°C ( TSM1)detect on heat sink of power transistor Protection mode: cutoff output, auto-recovery after temperature become normal		
Environment	Working temp, humidity	-10°C ~ +70°C;20% ~ 90%RH(Please refer to "derating curve" )		
	Storage temp, humidity	-20°C ~ +85°C;10% ~ 95%RH Non-condensing		
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes		
Safety	Withstand voltage	I/P-O/P: 1.5KVAC 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		
Fit standard	Safety standard	Fit UL1012		
	EMC Standard	Fit EN55022, CLASSA		
Others	Dimension	1.2kg 125.5*125.2*100mm ( L*W*H )		
	Weight	1.2kg/12pcs/15.5kg/1.64CUFT		

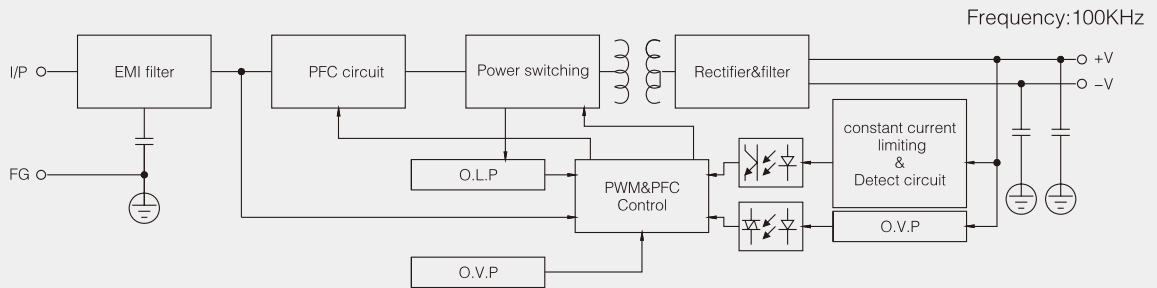
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  
 3. Tolerance : includes set up tolerance,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

Mechanical specification

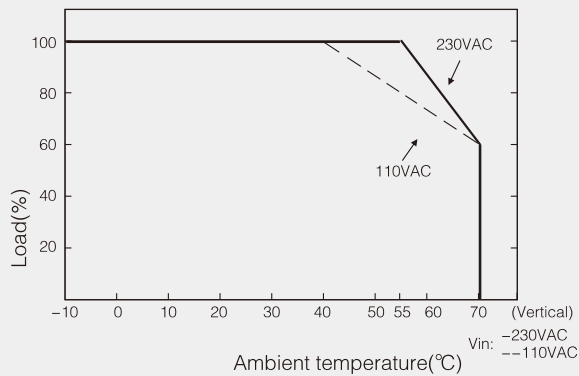
Unit:mm



Block diagram



Derating curve



Static characteristic

