



Features:

- AC input voltage range selected by switch (110 or 220)
- Small volume, low weight, high efficiency
- 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 TS-35/15
- 100% full load burn-in test
- 2 Years warranty

SPECIFICATION

Dimension: 125.5 × 125.2 × 100mm

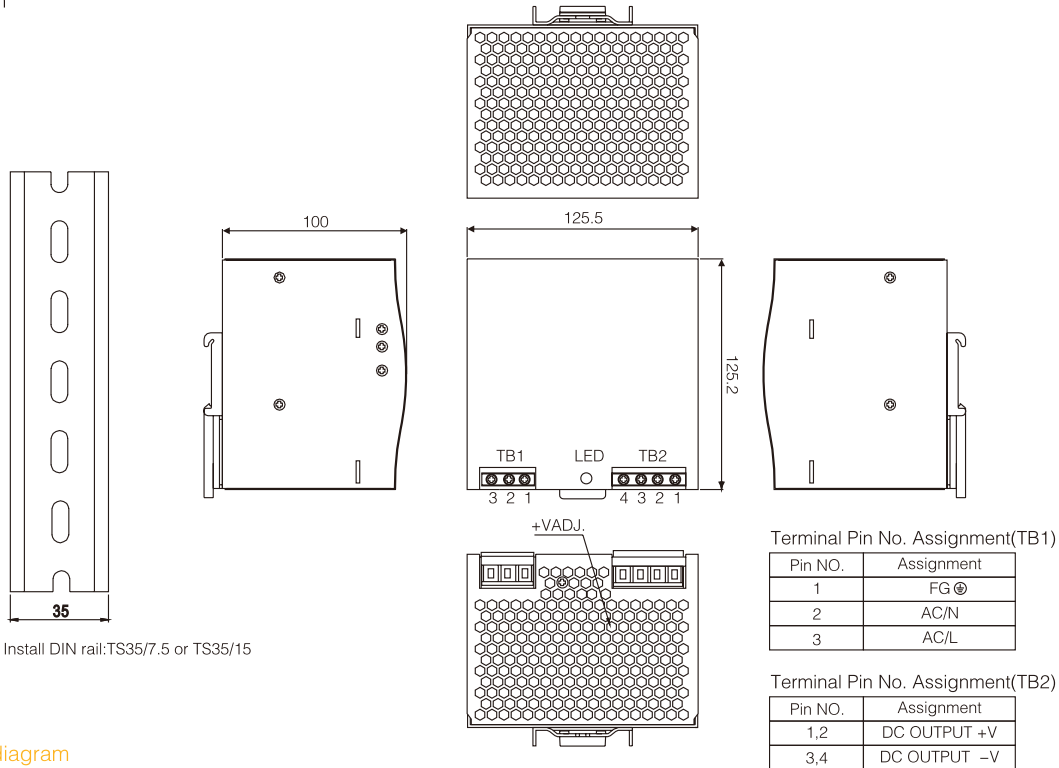


Model		TLDR-12-240	TLDR-24-240	DR-48-240
Output	DC voltage	12V	24V	48V
	Voltage tolerance	± 1%	± 1%	± 1%
	Rated current	20A	10A	5A
	Current range	0 ~ 20A	0 ~ 10A	0 ~ 5A
	Rated power	240W	240W	240W
	Ripple&noise	120mVp-p	150mVp-p	180mVp-p
	DC voltage ADJ. range	-9% ~ +10%	± 10%	± 10%
	Setup, rise, hold up time	800ms,40ms,16ms/230VAC.		
Input	Voltage range	95 ~ 132VAC 180 ~ 264 VAC (select by switch) 47~63Hz, 255 ~ 373VDC		
	AC current	4.5A/115VAC 2.5A/230VAC		
	Efficiency	86%	87%	89%
	Inrush current	Cold start 45A/220VAC		
	leakage current	< 3.5mA/240VAC		
Protection	Overload	Rated output power 105% ~ 135% Start overload protection Protection type : rated current limit , auto-recovery after fault condition is removed		
	Over voltage	13.5 ~ 14.4V	27.8 ~ 30.6V	54 ~ 57.8V
	Over temperature	95°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	-20°C ~ +60°C; 20% ~ 90%RH (Please refer to "derating curve")		
	Storage temp, humidity	-40°C ~ +85°C; 10% ~ 95%RH Non-condensing		
	Withstand vibration	10 ~ 500Hz, 5G 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	Compliance to UL 62368-1,TUV 62368-1,EN 62368-1		
	EMC Standard	Compliance to EN 55032, CLASSA		
Others	Dimension	125.5*125.2*100mm (L*W*H)		
	Packing	1.13kg/16pcs/19.5kg		

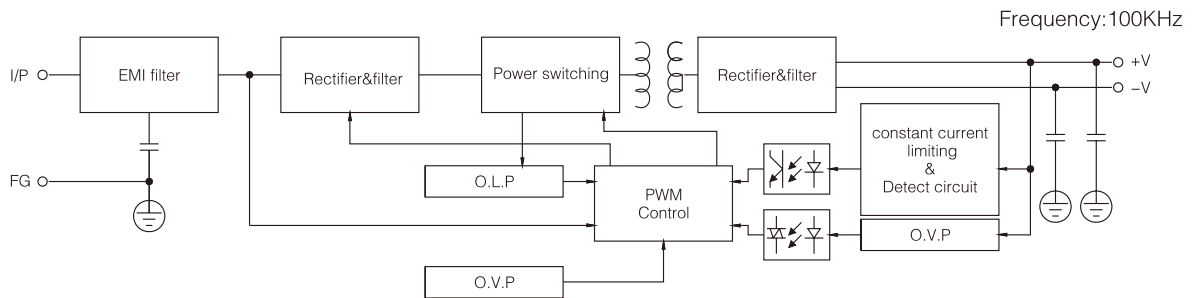
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
 3. Tolerance : includes set up tolerance,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

Mechanical specification

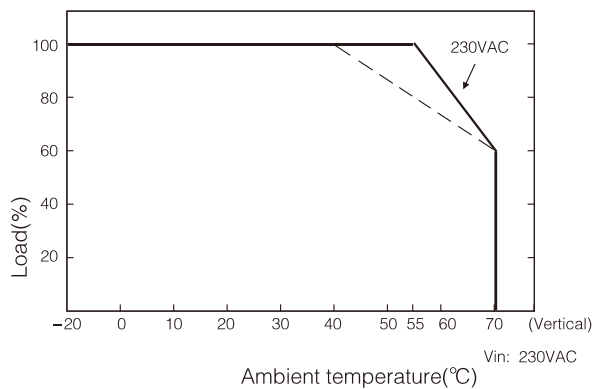
Unit:mm



Block diagram



Derating curve



Static characteristic

