



Features:

- Universal AC input/ full range
- 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
- 2 Years warranty

SPECIFICATION



Model		TW45-12
Output	DC voltage	12V
	Voltage tolerance	± 1%
	Rated current	5A
	Current range	0 ~ 5A
	Rated power	60W
	Ripple&noise	100mVp-p
	DC voltage ADJ. range	± 10%
Input	Setup, rise, hold up time	800ms,60ms,22ms/230VAC.
	Voltage range	90 ~ 264VAC 47 ~ 63Hz, 127 ~ 373VDC
	AC current	1.0A/110VAC 0.55A/220VAC
	Efficiency	81%
	Inrush current	Cold start 20A/110VAC 40A/220VAC
	leakage current	< 1mA/240VAC
Protection	Overload	Rated output power105% ~ 150%Start overload protection
		Protection type: hiccup mode, auto-recovery after fault condition is removed
	Over voltage	15.8 ~ 17.8V
Environment	Working temp, humidity	-10°C ~ +50°C;20% ~ 90%RH(Please refer to “derating curve”)
	Storage temp, humidity	-20°C ~ +85°C;10% ~ 95%RH Non-condensing
Safety	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes
	Withstand voltage	I/P-O/P: 1.5KVAC
	Isolation resistance	I/P-O/P: 100M Ohms/500VDC
Fit standard	Safety standard	Fit UL1012
	EMC Standard	Fit EN55022, CLASSA

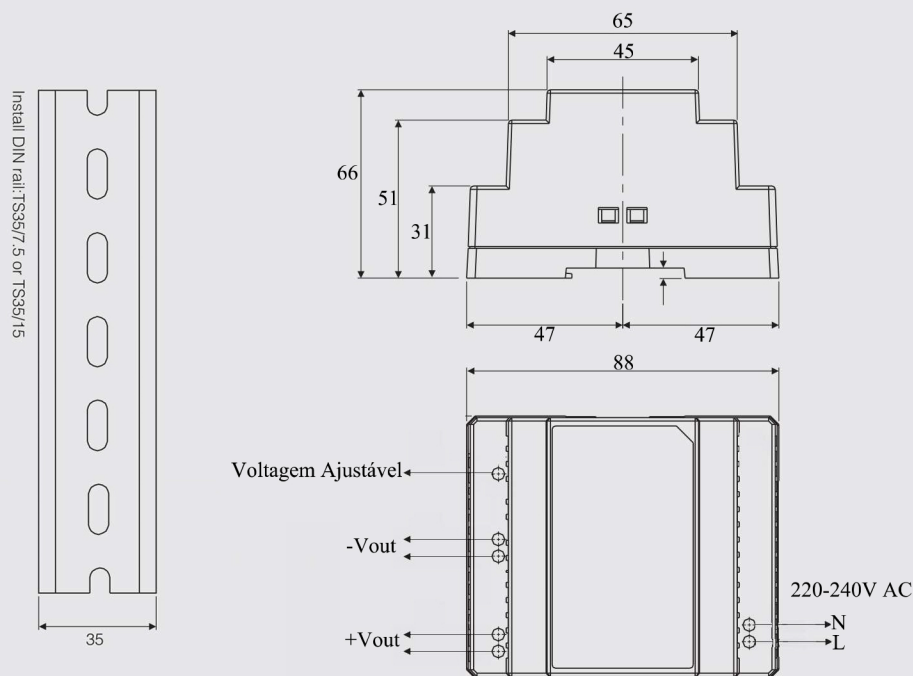
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

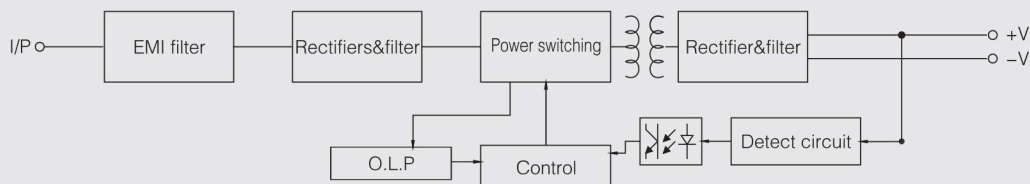
3. Tolerance : includes set up tolerance, line regulation and load regulation.

Mechanical specification

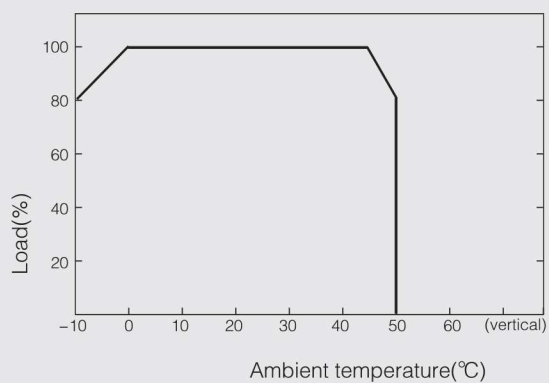
Unit:mm



Block diagram



Derating curve



Static characteristic(24V)

