



### Features:

- AC input range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 2 Years warranty

Dimension: 159 × 97 × 38mm



### SPECIFICATION

	Model	TLPZ-12-200	TLPZ-24-200
Output	DC voltage	12V	24V
	Voltage tolerance	± 2%	± 2%
	Rated current	16.5A	8.5A
	Current range	0 ~ 16.5A	0 ~ 8.5A
	Rated power	198W	204W
	Ripple&noise	180mVp-p	200mVp-p
	DC voltage ADJ. range	± 10%	± 10%
Input	Setup, rise, hold up time	800ms,20ms,24ms/230VAC,1000ms,30ms,20ms/115VAC	
	Voltage range	90 ~ 130VAC/180~264VAC(selected by switch) 47 ~ 63Hz, 254 ~ 373VDC	
	AC current	4.5A/115VAC 2.5/230VAC	
	Efficiency	86%	88%
	Inrush current	Cold start 55A/230VAC	
Protection	leakage current	< 3.5mA/240VAC	
	Overload	Rated output power 110% ~ 135% Start overload protection	
		Protection type: hiccup mode, auto-recovery after fault condition is removed	
	Over voltage	16.2~18.8V	30.8~33.8V
		Protection type: hiccup mode, auto-recovery after fault condition is removed	
Environment	Working temp, humidity	-10°C ~ +50°C; 20% ~ 90%RH (Please refer to "derating curve" )	
	Storage temp, humidity	-25°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	Compliance to UL1012, UL60950-1, GB4943	
	EMC Standard	Compliance to EN55022, EN61000-3-2, CLASSA	
Others	Dimension	159*97*38 ( L*W*H )	
	Weight	0.55kg/45pcs/25.5kg/0.041m³/1.44CUFT	
	MTBF	240K hrs min. MIL-HDBK-217F(25°C)	

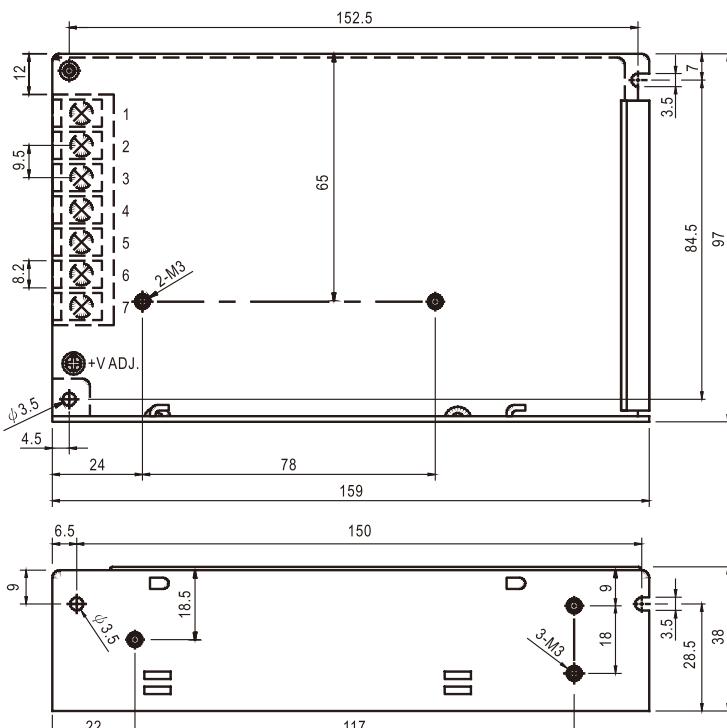
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

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

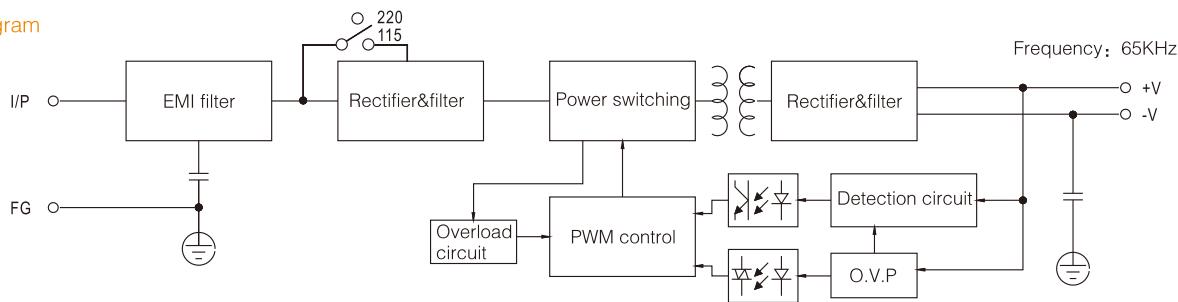
Unit:mm



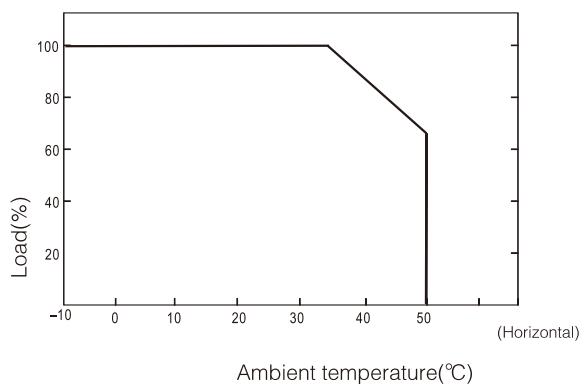
## Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/N	5	DC OUTPUT -V
2	AC/L	6	DC OUTPUT +V
3	FG $\pm$	7	DC OUTPUT +V
4	DC OUTPUT -V		

## Block diagram



## Derating curve



## Static characteristic

