



Features:

- 180~264VAC input range
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage/over temperature
- Cooling by DC fan
- Built-in fan speed control
- LED indicator for power on
- 100% full load burn-in test
- 2 Years warranty

Dimension: 199 × 98 × 38mm



SPECIFICATION

Model		MS-350-12		MS-350-24	
Output	DC voltage	12V		24V	
	Voltage tolerance	± 2%		± 2%	
	Rated current	29A		14.6A	
	Current range	0 ~ 29A		0 ~ 14.6A	
	Rated power	348W		350.4W	
	Ripple&noise	200mVp-p		220mVp-p	
	DC voltage ADJ. range	± 10%		± 10%	
	Setup, rise, hold up time	600ms,20ms,24ms/230VAC			
Input	Voltage range	180~264VAC 47 ~ 63Hz, 254 ~ 373VDC			
	AC current	4.5/230VAC			
	Efficiency	86%		88%	
	Inrush current	Cold start65A/230VAC			
	leakage current	< 3.5mA/240VAC			
Protection	Overload	Rated output power110% ~ 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			
	Over temperature	≥95℃ ± 5℃(TSW1 detect on radiator of power transistor)			
		Protection type: cutoff output, auto-recovery after temperature become normal			
Environment	Working temp, humidity	-20℃ ~ +50℃;20% ~ 90%RH(Please refer to “derating curve”)			
	Storage temp, humidity	-25℃ ~ +85℃;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	199*98*38mm (L*W*H)			
	Weight	0.65kg/45pcs/30.5kg/0.041m³/1.44CUFT			
	MTBF	210K hrs min. MIL-HDBK-217F(25℃)			

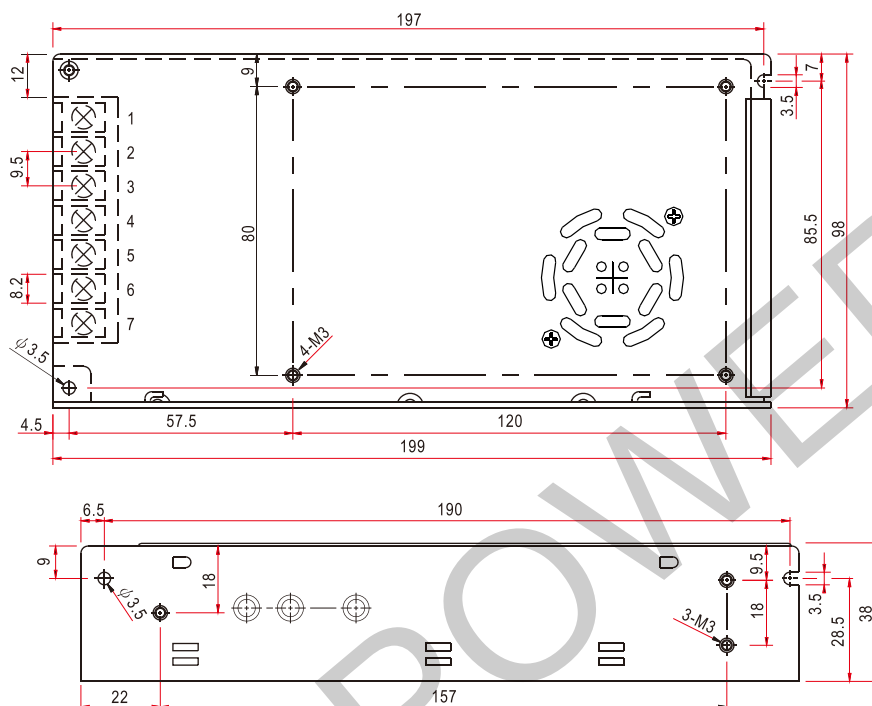
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

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

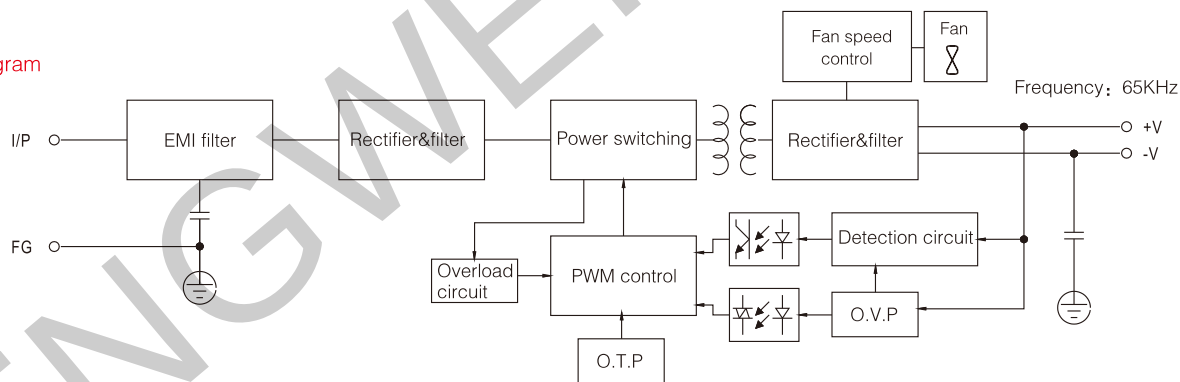
Unit:mm



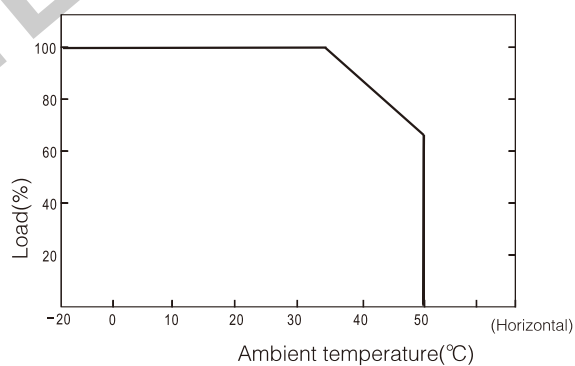
Terminal Pin No. Assignment

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

Block diagram



Derating curve



Static characteristic

