



Dimension: 235 × 120 × 56mm

Features:

- Constant voltage style power supply
- 180~264VAC AC input
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage/over temp
- Cooling by free air convection
- Fully encapsulated with IP67 level
- 100% full load burn-in test
- 2 Years warranty

IP67 CE

SPECIFICATION

	Model	LPV-250-12	LPV-250-24	LPV-250-36		
Output	DC voltage	12V	24V	36V		
	Voltage tolerance	± 3%	± 2%	± 2%		
	Rated current	20A	10A	7A		
	Current range	0 ~ 20A	0 ~ 10A	0 ~ 7A		
	Rated power	240W	240W	252W		
	Ripple&noise	150mVp-p	200mVp-p	200mVp-p		
Input	Setup, rise, hold up time	800ms,30ms,24ms/230VAC				
	Voltage range	180 ~ 264VAC 47 ~ 63Hz, 255 ~ 373VDC				
	AC current	2.8A/230VAC				
	Efficiency	83%	85%	87%		
Protection	Inrush current	Cold start 50A/230VAC				
	leakage current	< 2mA/240VAC				
Environment	Overload	Rated output power 105% ~ 135% Start overload protection Protection type: hiccup mode, auto-recovery after fault condition is removed				
	Over voltage	15.8 ~ 18V	30.6 ~ 33.6V	44 ~ 48.6V		
	Over temperature	Protection type: hiccup mode, auto-recovery after fault condition is removed Core temp ≥ 95°C, Start over temp protection Protection mode: cutoff output, auto-recovery after temperature become normal				
	Working temp, humidity	-10°C ~ +60°C; 20% ~ 90%RH (Please refer to "derating curve")				
Safety	Storage temp, humidity	-20°C ~ +85°C; 10% ~ 95%RH Non-condensing				
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes				
Fit standard	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				
Others	Safety standard	Fit UL1012, TUV EN60950-1, IP67				
	EMC Standard	Fit EN55022, EN55024, CLASAA				
Others	Weight/Dimension	2.55kg 235*120*56 (L*W*H)				
	Packing	2.55kg/9pcs/23kg/0.029m³/1.02CUFT				

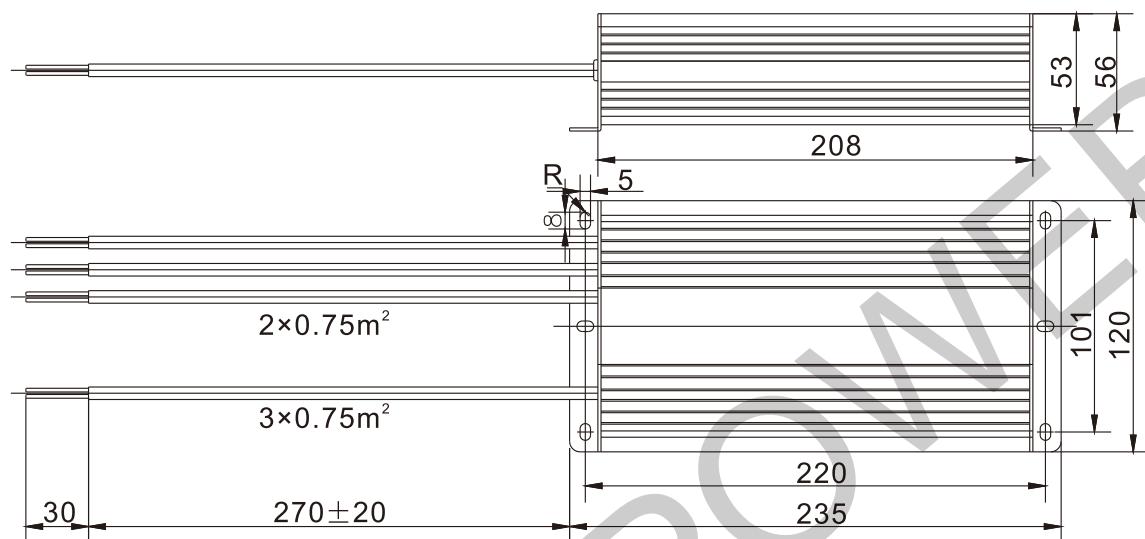
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

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

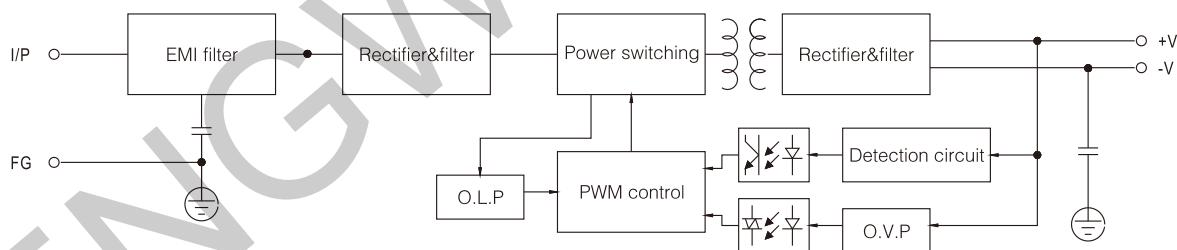
Unit:mm



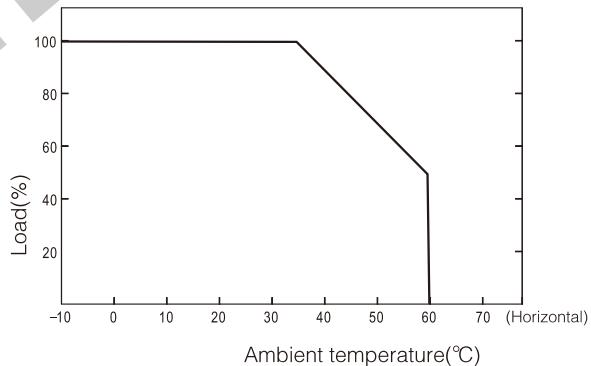
lead-out wire assignment

Input(Black three-core)	Output (White two-core)	
Brown	AC/L	Red DC OUTPUT +V
Blue	AC/N	Black DC OUTPUT -V
Yellow-green	FG \pm	

Block diagram



Derating curve



Static characteristic

