

LUXOR-16P series

160W switching power supply



Features

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

Specification



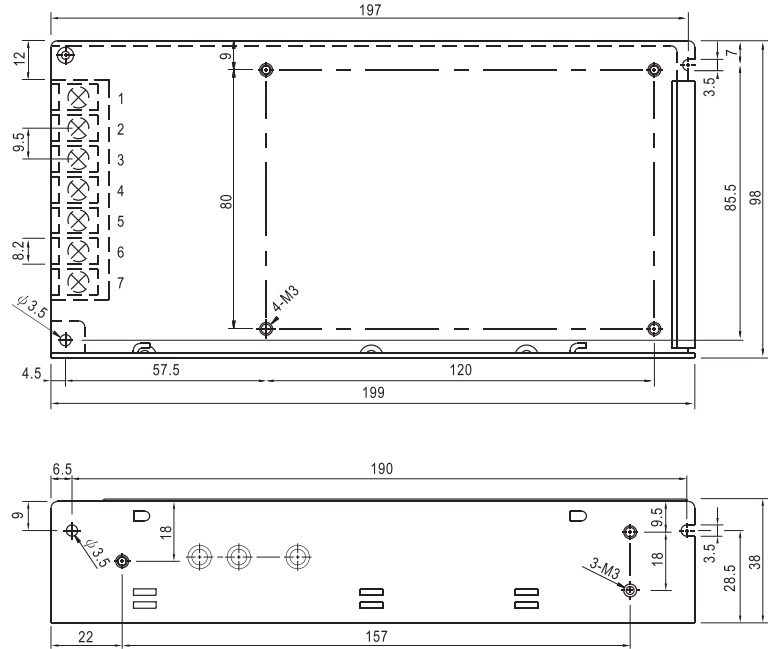
Model		LUXOR-16P5	LUXOR-16P12	LUXOR-16P15	LUXOR-16P24
Output	DC Voltage	5V	12V	15V	24V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	30A	13.4A	10.7A	6.7A
	Current range	0 ~ 30A	0 ~ 13.4A	0 ~ 10.7A	0 ~ 6.7A
	Rated power	150W	160W	160W	160W
	Ripple&noise	150mVp-p	180mVp-p	200mVp-p	240mVp-p
	DC voltage ADJ. range	±10%	±10%	±10%	±10%
	Setup, rise, hold up time	1000ms, 100ms, 30ms/230VAC			
Input	Voltage range	90 ~ 132VAC/180 ~ 264VAC (selected by switch) 47 ~ 63Hz, 255 ~ 373VDC			
	AC current	4.0A/115V 2.0A/230VAC			
	Efficiency	80%	83%	85%	85%
	Inrush current	Cold start 18A/115V 36A/230VAC			
	Leakage current	<3.5mA/240VAC			
Protection	Overload	Rated output power 115% ~ 150% Start overload protection			
		Protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	Rated output power 115% ~ 135% Start overload protection			
Over temperature	≥85°C±5°C (TSW1 detect on heat sink of power transistor)				
	Protection mode: cutoff output, auto-recovery after temperature become normal				
Environment	Working temp, humidity	-10°C ~ +60°C; 20% ~ 90% RH (Please refer to "derating curve")			
	Storage temp, humidity	-20°C ~ +85°C; 10% ~ 95% RH Non-condensing			
	Withstand vibration	10 ~ 500Hz, 2G 10 min/1 Cycle, 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	EN61347-1; EN61347-2-13			
	EMC standard	EN55015; EN61547			
Others	Weight	0.65kg			
	Dimension	199*98*38mm (L*W*H)			
	Packing	0.65kg/30pcs/20.5kg/1.20CUFT			

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

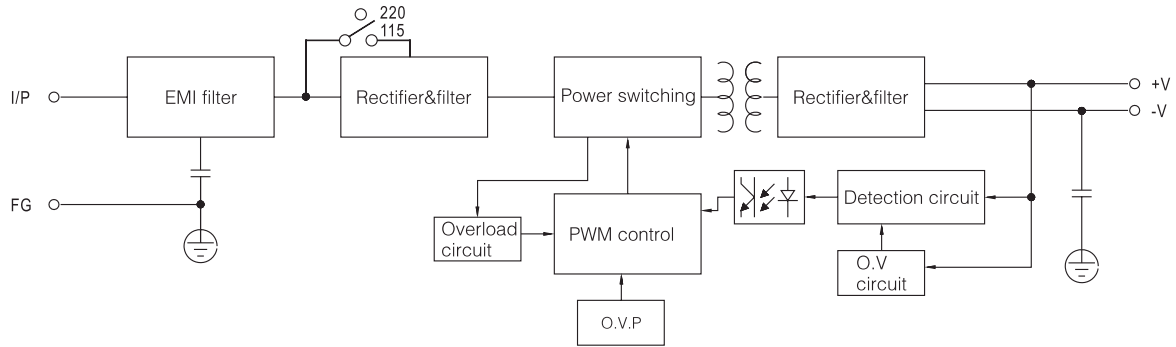
Unit mm



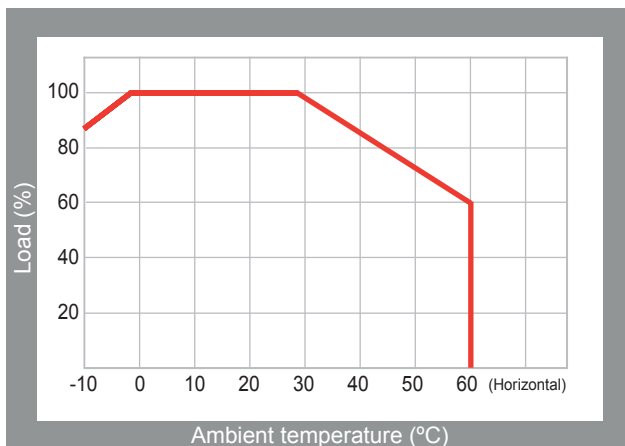
Terminal Pin No. Assignment

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

Block diagram



Derating curve



Static characteristics

