

LUXOR-10P series
100W switching power supply



Features

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

Specification



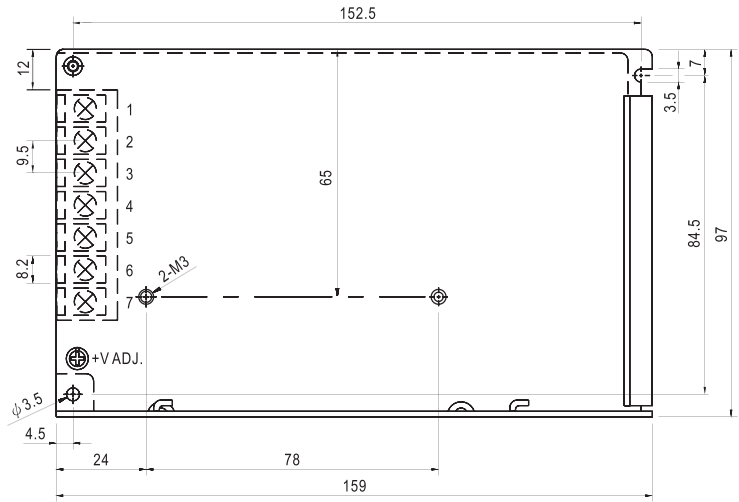
Model		LUXOR-10P5	LUXOR-10P12	LUXOR-10P15	LUXOR-10P24
Output	DC Voltage	5V	12V	15V	24V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	20A	8.3A	6.7A	4.2A
	Current range	0 ~ 20A	0 ~ 8.3A	0 ~ 6.7A	0 ~ 4.2A
	Rated power	100W	100W	101W	101W
	Ripple&noise	80mVp-p	120mVp-p	120mVp-p	120mVp-p
	DC voltage ADJ. range	-9% ~ +10%	±10%	±10%	±10%
	Setup, rise, hold up time	500ms, 20ms, 24ms / 230VAC 800ms, 30ms, 20ms / 115VAC			
Input	Voltage range	90 ~ 132VAC / 180 ~ 264VAC 47 ~ 63Hz (selected by switch), 255 ~ 373VDC			
	AC current	2.4A/115VAC 1.2A/230VAC			
	Efficiency	79%	83%	84%	85%
	Inrush current	Cold start 18A/115V 36A/230VAC			
	Leakage current	<3.5mA/240VAC			
Protection	Overload	Rated output power 115% ~ 135% Start overload protection			
		Protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	6.2~6.8V	15~16V	18~20V	30~31V
		Protection type: hiccup mode, auto-recovery after fault condition is removed			
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	Fit UL1012			
	EMC standard	Fit EN55022, CLASSA			
Others	Weight	0.48kg 159*97*38			
	Dimension	159*97*38mm (L*W*H)			
	Packing	0.48kg / 45pcs / 22.5kg / 0.9CUFT			

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.

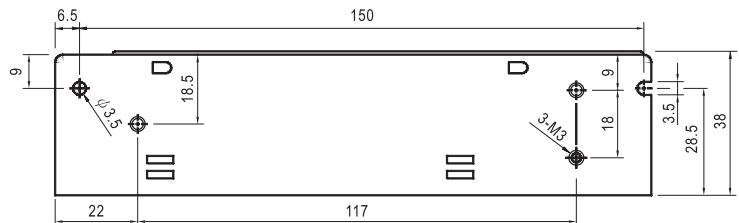
Mechanical specification

Unit mm

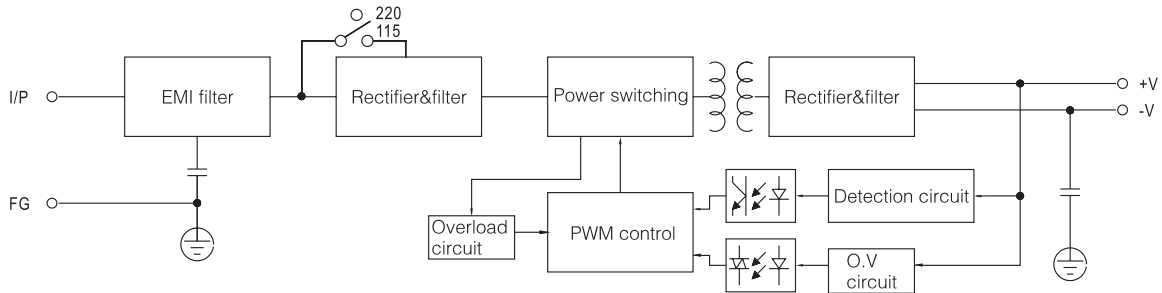


Terminal Pin No. Assignment

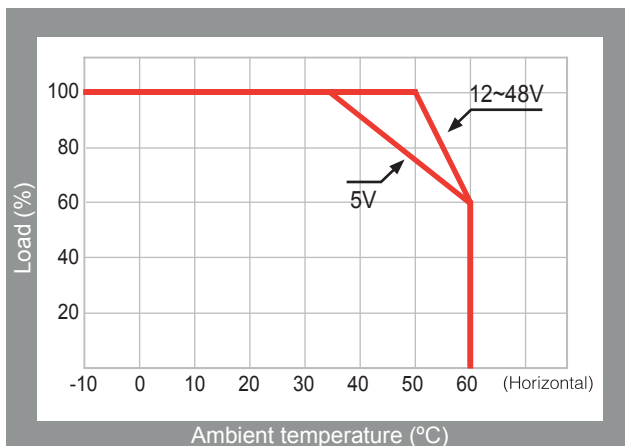
Pin No	Assignment	Pin No	Assignment
1	AC/L	4~5	DC OUTPUT -V
2	AC/N	6~7	DC OUTPUT +V
3	FG \perp		



Block diagram



Derating curve



Static characteristics

