

LED constant voltage waterproof switching power supply 100W

Features:

- Constant voltage style power supply
- 170~264VAC 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
- 2Year warranty



LPV-100W

Model		LPV-100-12	LPV-100-24	LPV-100-36
OUTPUT	DC voltage	12V	24V	36V
	Voltage tolerance	±1%	±1%	±1%
	Rated current	8.5A	4.2A	2.8A
	Current range	0~8.5A	0~4.2A	0~2.8A
	Rated power	102W	100.8W	100.8W
	Ripple&noise	100mvp-p	150mvp-p	150mvp-p
INPUT	Voltage range	90~264VAC, 126~373VDC		
	Frequency	47~63Hz		
	AC current	2.4A/115VAC, 1.2A/230VAC		
	Efficiency	82%	84%	84%
	Inrush current	Cold start current 20A/115VAC, 40A/230VAC		
PROTECTION	Leakage current	<2.5mA/240VAC		
	Over load	Rated output power 105%~135% start over load protection		
		Protection type: hiccup mode, auto-recovery after fault condition is removed		
	Over voltage	15.6~17.8V	30.6~33.2V	42.6~44.2V
Protection type: hiccup mode, auto-recovery after fault condition is removed				
Over temperature	Shell temp≥85℃, start over temperature protection			
	Protection mode: cutoff output, auto-recovery after temperature become normal			
ENVIRONMENT	Working temp,humidity	-10℃~+60℃, 20%~90%RH		
	Storage temp.humidity	-20℃~+85℃, 10%~95%RH non condensing		
SAFETY	Withstand vibration	10~500HZ, 2G 10min/1cycle, period for 60minutes, each		
	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC		
	Isolated resistance	I/P-O/P、I/P-FG、O/P-FG: 100M ohms/500VDC		
FITSTANDARDS	Safety standard	Fit UL1012, IP67 protect level		
	EMC standard	Fit EN55022, CLASSA		
OTHERS	Dimension	185*69*43mm (L*W*H)		
	Weight/packing	0.9kg/20pcs/19kg/0.026 m³/0.91CUFT		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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.			