

LED constant voltage waterproof switching power supply 50W

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-50W				
Model		LPV-50-12	LPV-50-24	LPV-50-36
OUTPUT	DC voltage	12V	24V	36V
	Voltage tolerance	±1%	±1%	±1%
	Rated current	4.2A	2.1A	1.4A
	Current range	0~4.2A	0~2.1A	0~1.4A
	Rated power	50.4W	50.4W	50.4W
	Ripple&noise	100mvp-p	150mvp-p	180mvp-p
INPUT	Voltage range	170~264VAC, 235~373VDC		
	Frequency	47~63Hz		
	AC current	0.65A/230VAC		
	Efficiency	82%	84%	85%
	Inrush current	Cold start current 35A/230VAC		
	Leakage current	<1mA/240VAC		
PROTECTION	Over load	Rated output power 115%~150%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 axes		
	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	190*49*34mm (L*W*H)		
	Weight/packing	0.53kg/30pcs/17kg/0.025 m ³ /0.87CUFT		
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.			