

LED constant voltage waterproof switching power supply 20W

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-20W

Model		LPV-20-12	LPV-20-24	LPV-20-36
OUTPUT	DC voltage	12V	24V	36V
	Voltage tolerance	±1%	±1%	±1%
	Rated current	1.7A	0.8A	0.6A
	Current range	0~1.7A	0~0.8A	0~0.6A
	Rated power	20.4W	19.2W	21.6W
	Ripple&noise	100mvp-p	100mvp-p	150mvp-p
INPUT	Voltage range	170~264VAC, 235~373VDC		
	Frequency	47~63Hz		
	AC current	0.28A/230VAC		
	Efficiency	78%	80%	82%
	Inrush current	Cold start current 30A/230VAC		
PROTECTION	Leakage current	<0.5mA/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	when temperature of transistor inner node is over 150℃, start over temperature protection			
	Protection mode: cutoff output, auto-recovery after temperature become normal			
ENVIRONMENT	Workingtemp.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	182*30*20mm (L*W*H)		
	Weight/packing	0.22kg/100pcs/23kg/0.033 m³/1.18CUFT		
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.			