

PV-LG150-12-24

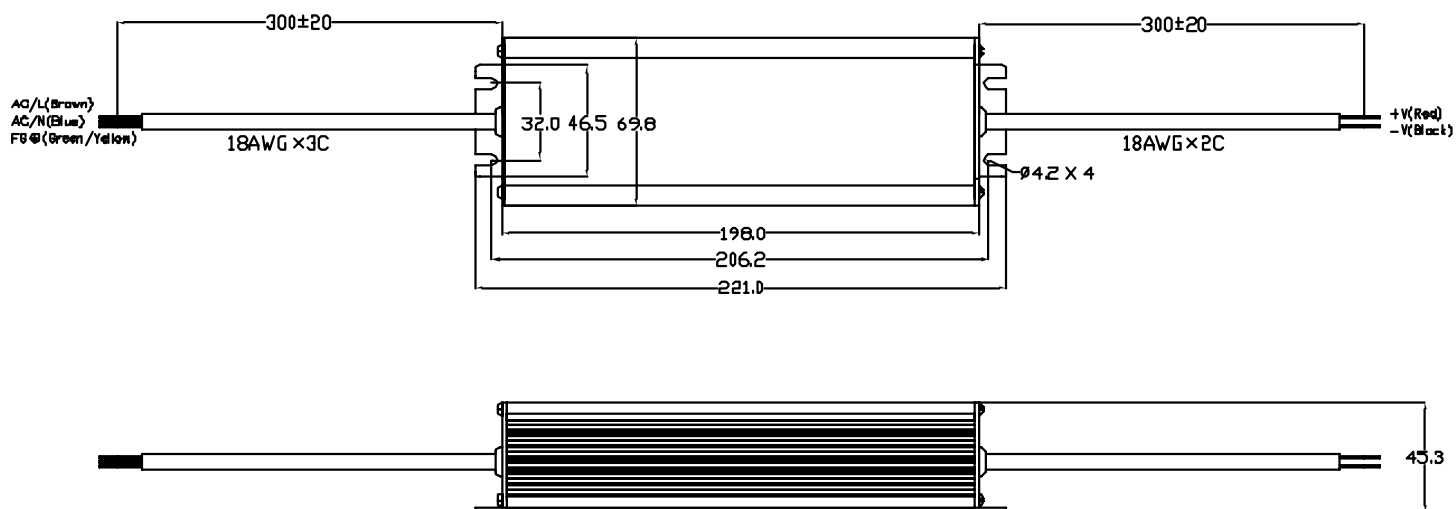
Features

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built_in active PFC function
- Fully encapsulated with IP67 level
- UL1310 Class 2 power unit, pass LPS
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- Damp / wet location outdoor application
- 1 years warranty

Specification

	Model	PV-LG12150	PV-LG24150	PV-LG48150
Output	Dc voltage	12V	24V	48V
	Rated current	12.5A	6.25A	3.1A
	Rated power	150W	150W	150W
	Ripple & noise	150mVp-p	200mVp-p	200mVp-p
	Voltage tolerance	±3.0%	±3.0%	±2.0%
	Line regulation	±1%	±1%	±1%
	Load regulation	±2%	±2%	±2%
	Setup, rise time	1200ms, 80ms / 230VAC 1200ms, 80ms / 115VAC at full load		
	Hold uptime(typ.)	60ms / 230VAC 30ms / 115VAC at full load		
Input	Voltage range	100 ~ 240VAC		
	Frequency range	47~ 63Hz		
	Powerfactor	PF>0.95/230VAC PF>0.98/115VAC at full load PF≥0.9at 75~ 100% load, 115VAC / 230VAC		
	Efficiency	85%	86%	88%
	Ac current (at full load)	2A / 115VAC 1A/ 230VAC		
	Inrush current (max.)	COLD START65A/230VAC		
	Leakage current	<1mA / 240VAC		
Protection	Over current	130 ~ 150% Protection type : Constant current limiting, recovers automatically after fault condition is removed		
	Short circuit	Hiccup mode,recovers automatically after fault condition isremoved		
	Over voltage	13.5 ~ 16V	28~ 34V	57 ~ 64V
		Protection type : Shut down o/p voltage, re-power on to recover		
	Over temperature	90°C±10 °C(TSW1)detectonheatsink ofpower transistor Protection type:Shut down o/pvoltage, recovers automatically after tem-perature goes down		
Environ-ment	Working temp.	-30°C ~ +45°C		
	Working humidity	20~95% RH non-condensing		
	Storage temp., Humidity	-40°C~80°C, 10~95% RH		
	Temp.Coefficient	±0.03%/°C (0~50°C)		
	Vibration	10 ~ 72min.eachalong X,Y,Z axes		
Safety & EMC	Safetystandards	Designreferto UL1310 Class 2,TUVEN60950-1, EN61347-2-13, CAN/CSAC22.2 No. 223-M91, meet IP67		
	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC		
	Isolation resistance	I/P-O/P:>100M Ohms / 500VDC / 25□70% RH		
	Emi conduction & radiation	Complianceto EN55015, EN55022(CISPR22) Class B		
	Harmonic current	Complianceto EN61000-3-2 ClassC (≥75% load) ; EN61000-3-3		
	Ems immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61547, light industry level (surge 4KV), criteriaA		
	Dimension	221*69.8*45.3mm (L*W*H)		

Mechanical Specification



Block Diagram

