



The power behind your lights

ZHUHAI JINBO KECHUANG ELECTRONICS CO., LTD.

163 Xiaolin Road, Hongqi, Jinwan, Zhuhai, Guangdong, China

Tel: +86-756-2256343 Fax: +86-756-3820283

E-mail: info@zhjb.com www.zhjb.com



Model: JLV-12100PA-UF Size: 220x68x18mm
JLV-24100PA-UF (8.66x2.68x0.71")



Brief Information

Super-Thin Series

100W

Waterproof Power Supply (C.V.)

Model JLV-12100PA-UF / JLV-24100PA-UF

Input 100-130V AC

Output 12VDC 8.33A 100W/ 24VDC 3.75A 90W

Product Features

- Plastic housing, LPV standard
- High transfer efficiency
- Super-thin: 18mm height
- IP65, for both indoor & outdoor
- 100% full loading, 100% burn-in tested
- Overload/short circuit protection
- Standby power consumption $\leq 0.5W$

MAIN ELECTRICAL DATA

AC Input

Input Voltage	100-130V (Rated Range)
Input Frequency	50/60Hz
Efficiency (Typ.)	120V > 88%
Input Current	120V: 2.0A max.
Inrush Current	75A
Leakage Current	5mA/120VAC

DC Output

Output Voltage	12V	24V
Rated Current	8.33A	3.75A
Rated Power	100W	90W
Ripple & Noise (Max.)	<200mVp-p	<200mVp-p
Setup, Rise Time	1500ms/120VAC	1500ms/120VAC
Line Regulation	1%	1%
Load Regulation	1%	1%

Service Environment

Working Temp.	-25°C~70°C (-13°F~158°F)
Working Humidity	15~85%RH
Storage Temp.	-40°C~75°C (-40°F~185°F)
Storage Humidity	15~95%RH

Protection

Overload	Yes, output voltage drop while overloaded
Short Circuit	Yes, hiccup mode, recovers automatically after fault condition is removed

Safety

Withstand Voltage	I/P-O/P: 3KV AC; O/P-GND: 0.5KV AC
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH

EMC FCC Part 15, Sub-Part B; ANSI C63.4-2017

Standards UL 8750 CLASS P CLASS 2

Packaging Information

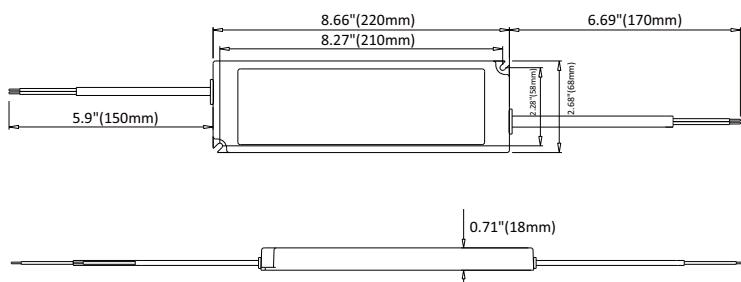
Product Dimension	220*68*18 mm(8.66*2.68*0.71")
Products Net Weight	477 g(1.05 lbs)
PCS/Carton(QTY)	30 PCS
Master Carton Size	36.5*28.5*25 cm (14.73*11.22*9.84")
G. Weight/ Carton	15 KG (33.07lbs)

Installation Tips:

- Please identify the power supply's input and output before installation.
- Ensure correct output + & - wire connection.
Power on after wire connection is done.
- To avoid voltage drop and loading capacity wasting on the output extension wire, please install the power supply to the loading as near as possible, if must use long extension wires, thicker wires and less loading wattage is required.
- The power supply to be installed at good ventilation and cooling environment.

Physical Drawing

Unit: Inch



Brief Information

Super-Thin Series

100W

Waterproof Power Supply (C.V.)

Model JLV-12100PA-UF / JLV-24100PA-UF

Input 100-130V AC

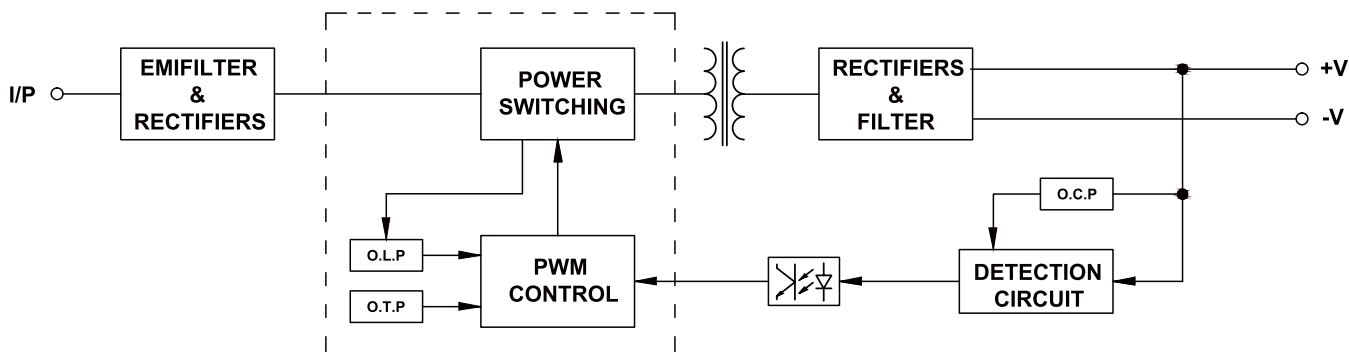
Output 12VDC 8.33A 100W/ 24VDC 3.75A 90W

Input: 2x18 AWG, wire, Black L, White N
 5.9"(150mm) length

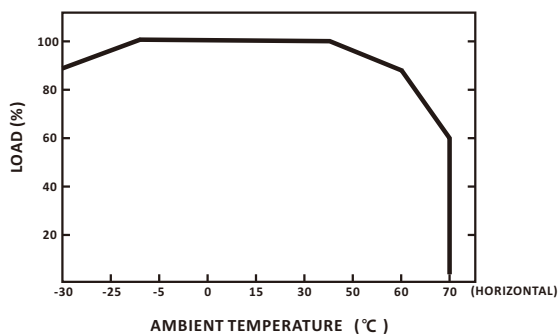
Output: 2x16 AWG wire, Red +, Black -
 6.69"(170mm) length

Housing: Plastic (ABS)

Block Diagram



Derating Curve



Static Characteristics

