



The power behind your lights

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Brief Information

Super-Thin Series

24W

Waterproof Power Supply (C.V.)

Model JLV-12024PA-UF / JLV-24024PA-UF

Input 100-130V AC

Output 12VDC 2A 24W/ 24VDC 1A 24W

Product Features

- Plastic housing, LPV standard
- High transfer efficiency
- Super-thin: 16.5mm height
- IP65, for both indoor & outdoor
- 100% full loading, 100% burn-in tested
- Overload/short circuit protection
- Standby power consumption $\leq 0.5W$



Model: JLV-12024PA-UF Size: 135x55x16.5mm
JLV-24024PA-UF (5.31x2.17x0.65")



MAIN ELECTRICAL DATA

AC Input

Input Voltage	100-130V (Rated Range)
Input Frequency	50/60Hz
Efficiency (Typ.)	120VAV > 85%
Input Current	120V:0.5A max.
Inrush Current	50A
Leakage Current	3mA/120VAC

DC Output

Output Voltage	12V	24V
Rated Current	2A	1A
Rated Power	24W	24W
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~85°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

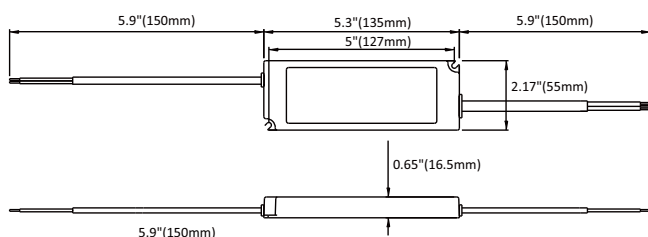
Product Dimension	135*55*16.5 mm(5.31*2.17*0.65")
Products Net Weight	200 g (0.44lbs)
PCS/Carton(QTY)	60 PCS
Master Carton Size	41.5*31.5*20.5 cm (16.3*12.4*8.07")
G. Weight/ Carton	12.8 KG (28.22lbs)

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



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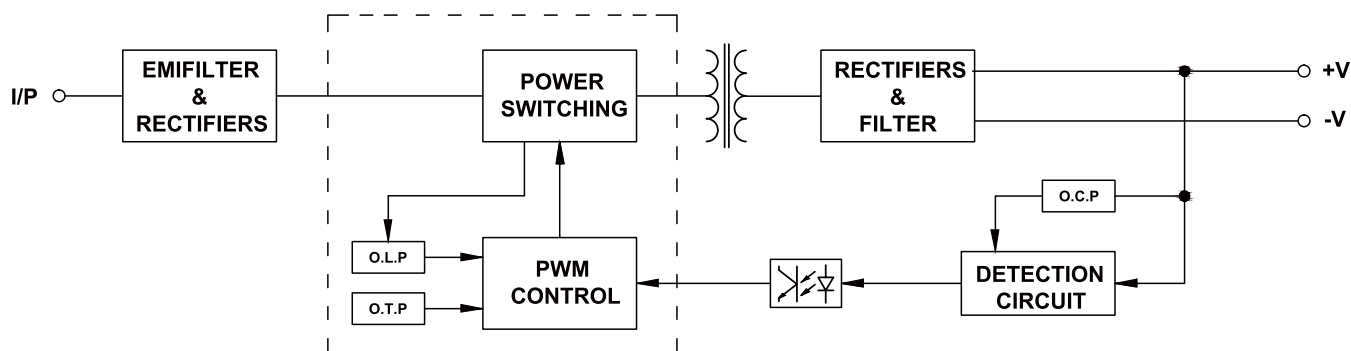
Output 12VDC 2A 24W/ 24VDC 1A 24W

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

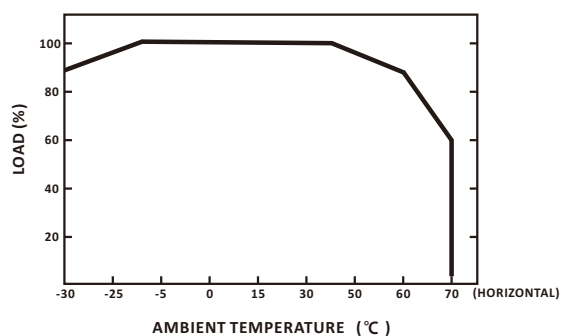
Output: 2x18 AWG wire, Red +, Black -
5.9" (150mm) length

Housing: Plastic (ABS)

Block Diagram



Derating Curve



Static Characteristics

