



The power behind your lights

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Model: JLV-12045P-S Size: 190x57.5x17 mm
JLV-24045P-S



Brief Information

Super-Thin Series

45W

LED DRIVER (C.V. LED POWER SUPPLY)

Model JLV-12045P-S / JLV-24045P-S

Input 100-250V AC

Output 12VDC 3.75A 45W/ 24VDC 1.875A 45W

Product Features

- Plastic housing, Wide input range
- High transfer efficiency
- Super-thin: 17mm height
- High Power Factor: PF>0.95
- Terminal block connection
- 100% full loading, 100% burn-in tested
- Overload/short circuit protection

MAIN ELECTRICAL DATA

AC Input

Input Voltage	100-250V
Input Frequency	50/60Hz
Power Factor	>0.95
Efficiency (Typ.)	>87%
Input Current	230V: 0.24A max. 120V: 0.48A max.
Inrush Current	30A
Leakage Current	5mA/220VAC

DC Output

Output Voltage	12V	24V
Rated Current	3.75A	1.875A
Rated Power	45W	45W
Ripple & Noise (Max.)	<200mVp-p	<200mVp-p
Setup, Rise Time	1500ms/220VAC	1500ms/220VAC
Line Regulation	1%	1%
Load Regulation	1%	1%

Service Environment

Working Temp.	-25°C~70°C (Derating from 50°C)
Working Humidity	15~90%RH
Storage Temp.	-40°C~80°C
Storage Humidity	15~95%RH

Protection

Overload	Yes, cut-off when loading exceeds 20-40%
Short Circuit	Yes, hiccup mode, recovers automatically after fault condition is removed

Safety

Safety Standard	EN 61347-2-13
Withstand Voltage	I/P-O/P: 3.75KV AC; O/P-GND: 0.5KV AC
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH

Standards

EN 55015:2019+A11:2020	EN 61000-3-2:2019+A1:2021
EN 61347-2-13:2014+A1:2021	EN 61000-3-3:2013+A1:2019+A2:2021
EN 61347-1:2015+A1:2021	EN 61547: 2009
EN 62493:2015	

Packaging Information

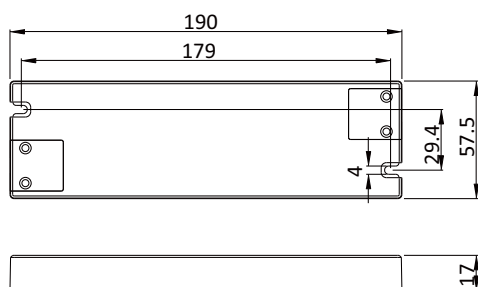
Product Dimension	190*57.5*17 mm
Products Net Weight	160 G
PCS/ Carton(QTY)	80 PCS
Master Carton Size	42*29*28 cm
G. Weight/ Carton	15.7 KG

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: mm



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Input: Terminal Connection

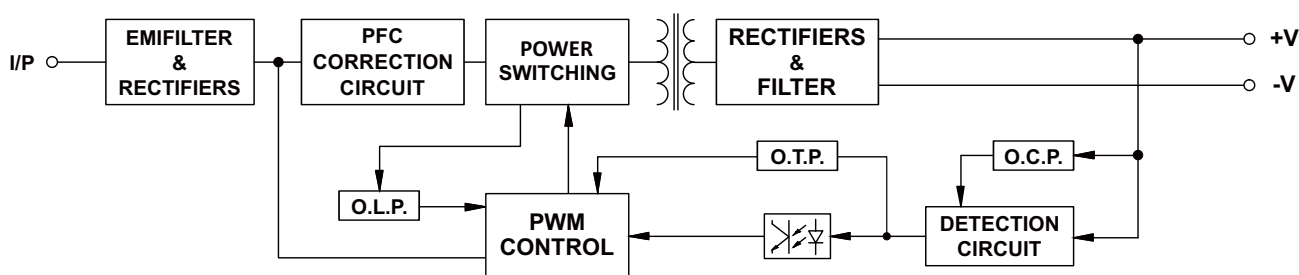
Output: Terminal Connection

Housing: Plastic

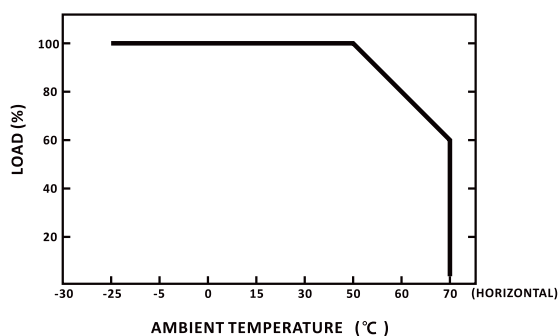
Polycarbonate(PC)

UL94 V-0 (B1)

Block Diagram



Derating Curve



Static Characteristics

