



The power behind your lights

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Model: JLV-12100KA-ES Size: 205x65x35mm
JLV-24100KA-ES



Brief Information

Powermax™
Technology Inside

100W

Waterproof Power Supply (C.V.)

Model JLV-12100KA-ES / JLV-24100KA-ES

Input 200-240V AC

Output 12VDC 8.33A 100W / 24VDC 4.17A 100W

Product Features

- High transfer efficiency & Power Factor
- High Power Factor (>0.95)
- Stable constant voltage output
- IP67, both indoor & outdoor use suitable
- 100% full loading, 100% burn-in tested
- Overload/short circuit protection

MAIN ELECTRICAL DATA

AC Input

Input Voltage	200-240V
Input Frequency	50/60Hz
Efficiency (Typ.)	88%
Input Current	230V: 0.7A max.
Inrush Current	70A
Leakage Current	5mA/230VAC

DC Output

Output Voltage	12V	24V
Rated Current	8.33A	4.17A
Rated Power	100W	100W
Ripple & Noise (Max.)	<200mVp-p	<200mVp-p
Setup, Rise Time	1500ms/230VAC	1500ms/230VAC
Line Regulation	1%	1%
Load Regulation	1%	1%

Service Environment

Working Temp.	-25°C~50°C
Working Humidity	20~99%RH
Storage Temp.	-40°C~80°C
Storage Humidity	10~99%RH

Protection

Overload	Yes, cut-off mode, output shuts down if 4-25% overloaded, automatic recovery
Short Circuit	Yes, cut-off mode, recovers automatically after fault condition is removed

Safety

Safety Standard	EN 61347-2-13
Withstand Voltage	I/P-O/P: 3000VAC/1min/<5mA
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+A1:2017	EN 61000-3-3:2013+A1:2019+A2:2021
EN 61347-1:2015+A1:2021	EN 61547: 2009
EN 62493:2015	

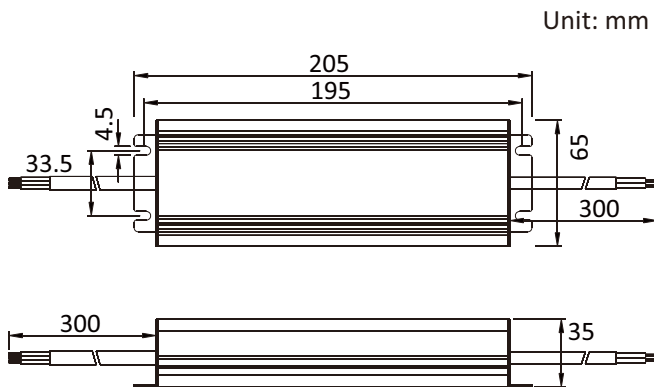
Packaging Information

Product Dimension	205x65x35mm
Products Net Weight	810G
PCS/Carton(QTY)	10 PCS
Master Carton Size	26.5x25x20.5cm
G. Weight/ Carton	9KG

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



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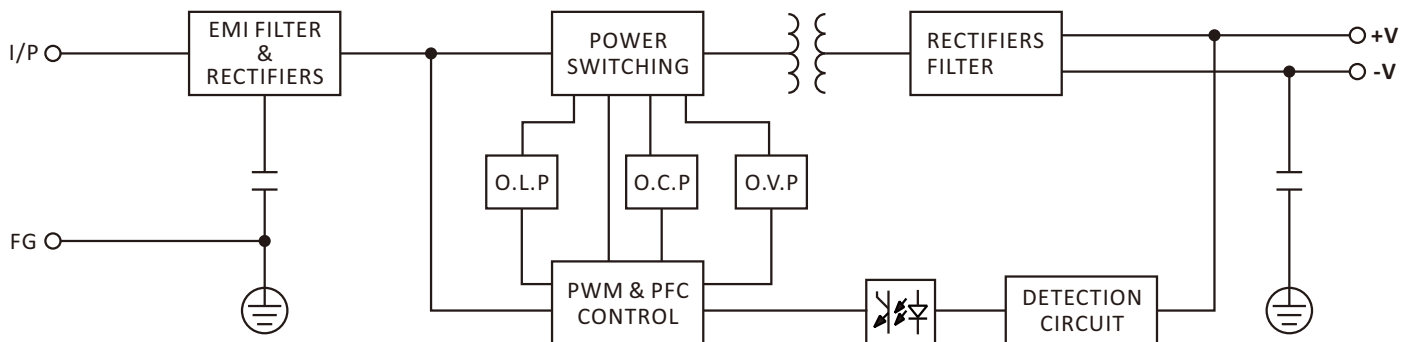
Output 12VDC 8.33A 100W / 24VDC 4.17A 100W

Input: 3x1.0mm² wire, Brown L, Blue N
300mm length

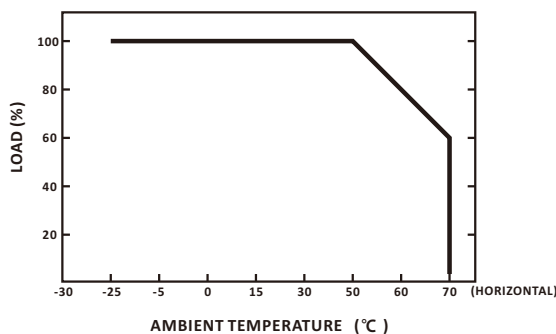
Output: 2x1.0mm² wire, Red +, Black -
300mm length

Housing: Aluminium

Block Diagram



Derating Curve



Static Characteristics

