

The power behind your lights



Model: JLV-12100K-D Size: 129*97*30 mm
JLV-24100K-D



Brief Information

Powermax™
Technology Inside

100W

Power Supply (C.V.)

Model JLV-12100K-D / JLV-24100K-D

Input 100-250V AC

Output 12V DC 8.33A / 24V DC 4.17A 100W

Product Features

- Input AC/DC
- High transfer efficiency
- Compact size
- Endurable & stable quality
- 100% full loading, 100% burn-in tested
- Overload/short circuit/overvoltage protection

MAIN ELECTRICAL DATA

AC Input

Input Voltage	100-250V
Input Frequency	50/60Hz
Efficiency (Typ.)	87% _{12V} / 88% _{24V}
Input Current	1.6A@110V _{max.}
Inrush Current	60A
Leakage Current	5mA/220VAC

DC Output

Output Voltage	12V	24V
Rated Current	8.33A	4.17A
Rated Power	100W	100W
Ripple & Noise (Max.)	<120mVp-p	<120mVp-p
Setup, Rise Time	1500ms/220VAC	1500ms/220VAC
Line Regulation	0.5%	0.5%
Load Regulation	0.5%	0.5%

Service Environment

Working Temp.	-20°C~70°C*
Working Humidity	15%-90% RH
Storage Temp.	-40°C~85°C
Storage Humidity	15%-95% RH

* (derating from 50°C, please refer the derating curve on page 2)

Protection

Overload	Yes, active when loading is over 5~30% output voltage shutdown.
Short Circuit	Yes, hip-cup mode recovers after fault condition is removed.

Safety

Safety Standard	GB4943/IEC62368 , EN 61558
Withstand Voltage	I/P-O/P: 3750VAC/1min/<5mA
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH

EMC EN 55032 , CLASS A

Standards GB4943/IEC62368 , EN 61558

Packaging Information

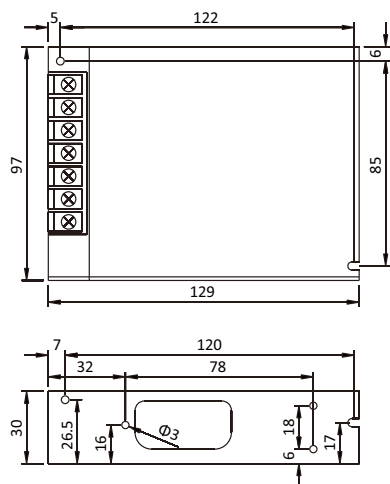
Product Dimension	129x97x30 mm
Products Net Weight	290 G
PCS/Carton(QTY)	40 PCS
G. Weight/ Carton	13.1 KG
Master Carton Meas.	39x28.5x23 cm

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.

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Physical Drawing



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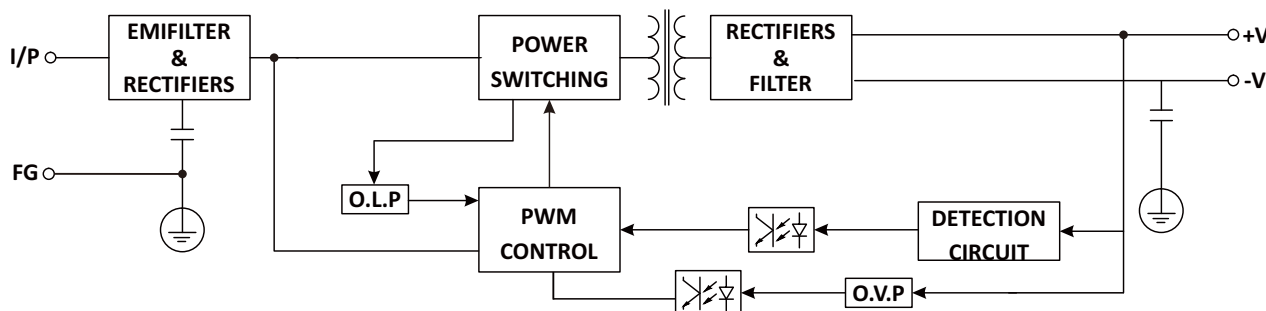
Output 12V DC 8.33A / 24V DC 4.17A 100W

Input & Output

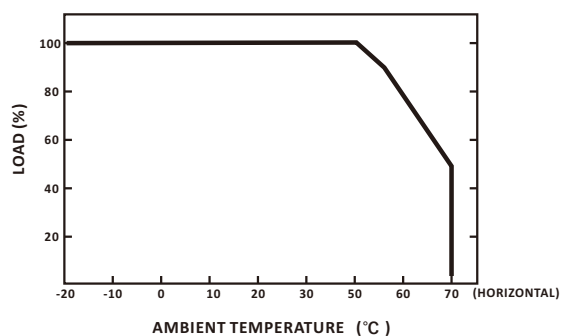
9500-7P Screw Terminals With Cover
inflamming retarding

Housing: Aluminium

Block Diagram



Derating Curve



Static Characteristics

