



Model: JLV-12075K-D      Size: 100\*97\*30 mm  
JLV-24075K-D



## Brief Information

**Powermax™**  
Technology Inside

# 75W

## Power Supply (C.V.)

Model JLV-12075K-D / JLV-24075K-D

Input 100-250V AC

Output 12V DC 6.25A / 24V DC 3.125A 75W

## 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.) | 86% <sub>12V</sub> / 89% <sub>24V</sub> |
| Input Current     | 1.35A@110V <sub>max.</sub>              |
| Inrush Current    | 63A                                     |
| Leakage Current   | 5mA/220VAC                              |

### DC Output

|                       |               |               |
|-----------------------|---------------|---------------|
| Output Voltage        | 12V           | 24V           |
| Rated Current         | 6.25A         | 3.125A        |
| Rated Power           | 75W           | 75W           |
| 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<br>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<br>/25°C / 70%RH |

**EMC** EN 55032 , CLASS A

**Standards** GB4943/IEC62368 , EN 61558

## Packaging Information

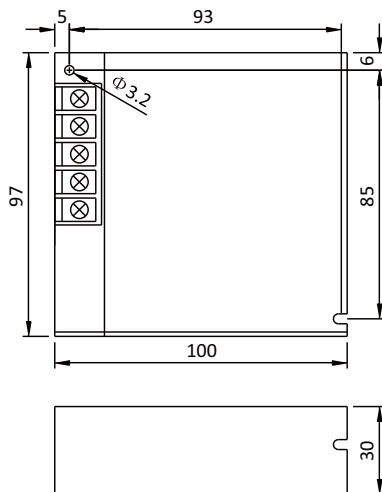
|                     |               |
|---------------------|---------------|
| Product Dimension   | 100x97x30 mm  |
| Products Net Weight | 220 G         |
| PCS/Carton(QTY)     | 60 PCS        |
| G. Weight/ Carton   | 15.1 KG       |
| Master Carton Meas. | 39x33.5x23 cm |

### 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.

*The power behind your lights*

## Physical Drawing



Unit: mm

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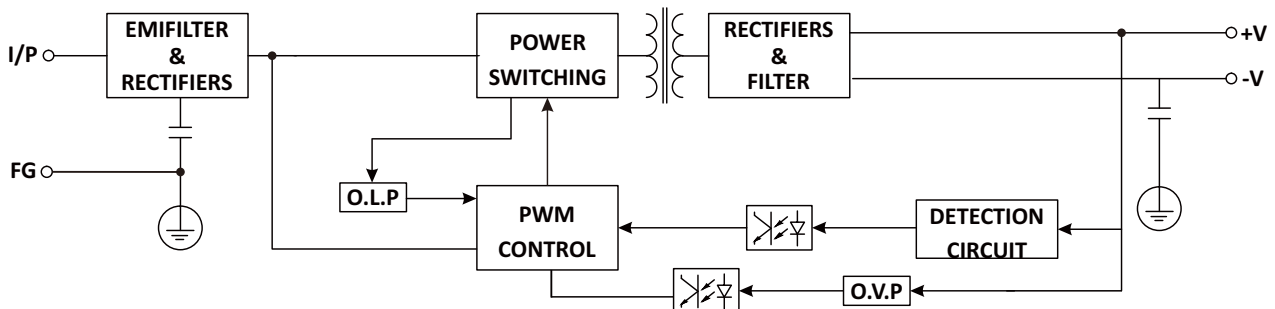
Output 12V DC 6.25A / 24V DC 3.125A 75W

### Input & Output

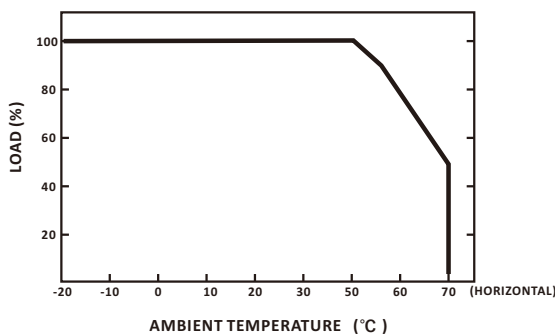
9500-5P Screw Terminals With Cover  
inflamming retarding

Housing: Aluminium

## Block Diagram



## Derating Curve



## Static Characteristics

