

Model: JLV-12100KA-L Size: 218\*40\*22mm









#### **Brief Information**



#### Waterproof Power Supply (C.V.)

Model JLV-12100KA-L / JLV-24100KA-L Input 170~250V AC Output 12VDC 8.33A 100W / 24VDC 4.17A 100W Apply to LED lighting

#### **Product Features**

- Compact size, easy for installation
- High transfer efficiency
- Wide input range
- 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	170~250V
Input Frequency	50/60Hz
Efficiency (Typ.)	86%
Input Current	230V: 0.93A
Inrush Current	40A

3mA/230VAC Leakage Current

### **DC Output**

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

### Service Environment

Working Temp. -30°C~50°C **Working Humidity** 20~95%RH -40°C~80°C Storage Temp. Storage Humidity 10~95%RH

#### **Protection**

Overload Yes, active when loading is over 110~120%

Output Voltage drops if overloaded

Short Circuit Yes, hiccup mode, recovers automatically

after fault condition is removed

### Safety

Safety Standard Withstand Voltage **Isolation Resistance**  EN 61347-2-13

I/P-O/P: 3750VAC/1min/<5mA I/P-O/P: >100M Ohms / 500VDC

/25°C / 70%RH

### Packaging Information

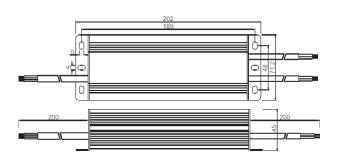
**Product Dimension** 202\*71\*45mm **Products Net Weight** 1000G PCS/Carton(QTY) 10 PCS Master Carton Size 27\*24\*20cm G. Weight/ Carton 11KG

#### **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



**Brief Information** 

## 100W

# Powermax Technology Inside

#### Waterproof Power Supply (C.V.)

Model JLV-12100KA-L / JLV-24100KA-L Input 170~250V AC Output 12VDC 8.33A 100W / 24VDC 4.17A 100W

Input: 3x1.0mm² wire, Brown L, Blue N

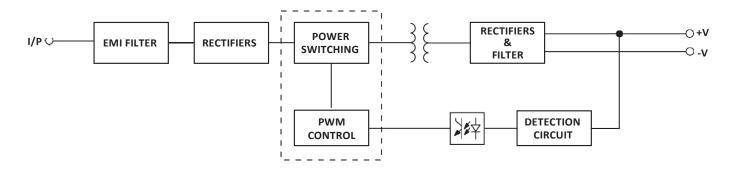
200mm length

Output: 2x0.75mm2 wire, Red +, Black -

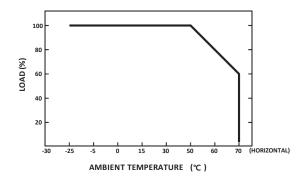
200mm length

Housing: Aluminium

## | Block Diagram



## **Derating Curve**



## **Static Characteristics**

