



Model: JLV-12040KA / JLV-24040KA



CE SELV IP67 WATERPROOF STABLE STAR™ Award 2015

## Product Description *Powermax™* Technology Inside

# 40W

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

Model JLV-12040KA / JLV-24040KA

Input 170~250V AC

Output 12V DC 3.33A 40W / 24V DC 1.67A 40W

### 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.)	80%
Input Current	230V: 0.36A max.
Inrush Current	40A
Leakage Current	3mA/230VAC

### DC Output

Output Voltage	12V	24V
Rated Current	3.33A	1.67A
Rated Power	40W	40W
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
Storage Temp.	-40°C~80°C
Storage Humidity	15~95%RH

## Protection

Overload	Active when loading is over 110~120% Output Voltage drops if overloaded
Short Circuit	Hiccup-mode protection, automatically recover after fault condition is removed

## Safety

Safety Standard	EN 61347-2-13
Withstand Voltage	I/P-O/P: 2500VAC/1min/<5mA
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC / 25°C / 70%RH

## Product Information

Product Dimension	242 x 30 x 20mm
Product Weight	260g

## Packaging Information

Package Dimension	250 x 40 x 35mm
Package Weight	300g

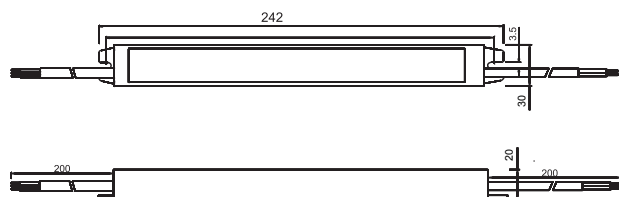
### Installation Tips:

- 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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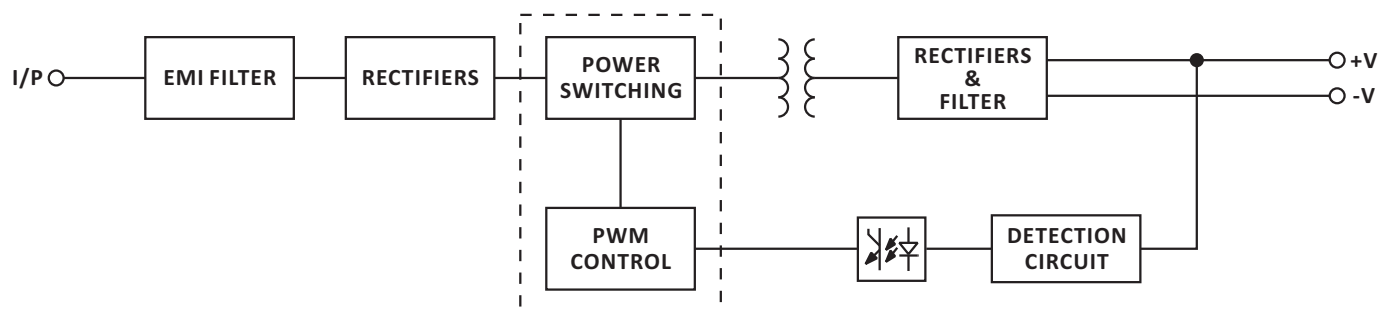
Output 12V DC 3.33A 40W / 24V DC 1.67A 40W

Input: 3x0.75mm<sup>2</sup> wire, Brown L, Blue N  
200mm length

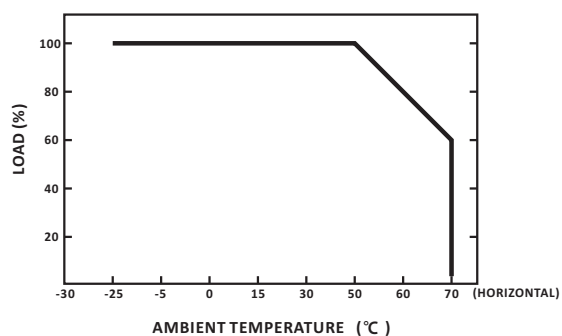
Output: 2x0.75mm<sup>2</sup> wire, Red +, Black -  
200mm length

Housing: Aluminium

## Block Diagram



## Derating Curve



## Static Characteristics

