



Model: JLV-600M-12

JLV-600M-24

Size: 216x118x51mm



SELV



OUTDOOR  
Rainproof Suitable

Semi-Potting

## Brief Information

# 600W

## Rainproof Power Supply (C.V.)

Model JLV-600M-12 / JLV-600M-24

Input 200-250V AC

Output 12VDC 50A 600W / 24VDC 25A 600W

## Product Features

- Rainproof, big wattage for outdoor use
- High transfer efficiency
- Semi-Potting design, dust-proof
- Stable constant voltage output
- 100% full loading, 100% burn-in tested
- Overload/short circuit protection

## MAIN ELECTRICAL DATA

### AC Input

|                   |                 |
|-------------------|-----------------|
| Input Voltage     | 200-250V        |
| Input Frequency   | 50/60Hz         |
| Efficiency (Typ.) | 12V: 85%        |
|                   | 24V: 89%        |
| Input Current     | 230V: 4.5A max. |
| Inrush Current    | 40A             |
| Leakage Current   | 3mA/230VAC      |

### DC Output

|                       |               |               |
|-----------------------|---------------|---------------|
| Output Voltage        | 12V           | 24V           |
| Rated Current         | 50A           | 25A           |
| Rated Power           | 600W          | 600W          |
| 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~70°C   |
| Storage Humidity | 10~95%RH     |

\*Refer to derating curve on page 2.

## Protection

|               |                                                                                |
|---------------|--------------------------------------------------------------------------------|
| Overload      | Yes, Cut-off mode<br>Output shuts down if over-loaded                          |
| Short Circuit | Yes, output shut down, recovers automatically after fault condition is removed |

## Safety

|                      |                                               |
|----------------------|-----------------------------------------------|
| Safety Standard      | EN 61347-2-13                                 |
| Withstand Voltage    | I/P-O/P: 1500VAC/1min/<5mA                    |
| Isolation Resistance | I/P-O/P: >100M Ohms / 500VDC<br>/25°C / 70%RH |

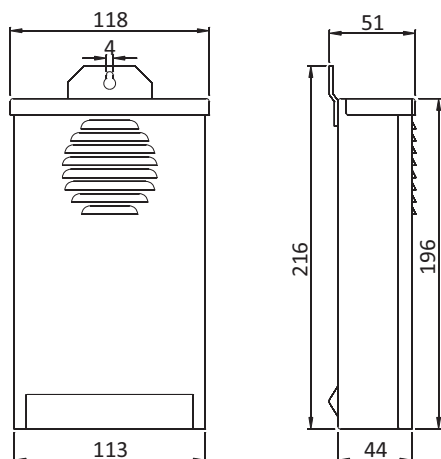
## Packaging Information

|                     |              |
|---------------------|--------------|
| Product Dimension   | 216*118*51mm |
| Products Net Weight | 880g         |
| PCS/Carton(QTY)     | 20PCS        |
| Master Carton Size  | 48*31*27cm   |
| G. Weight/ Carton   | 18.5KG       |

### 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



### Brief Information

## 600W

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Input 200-250V AC

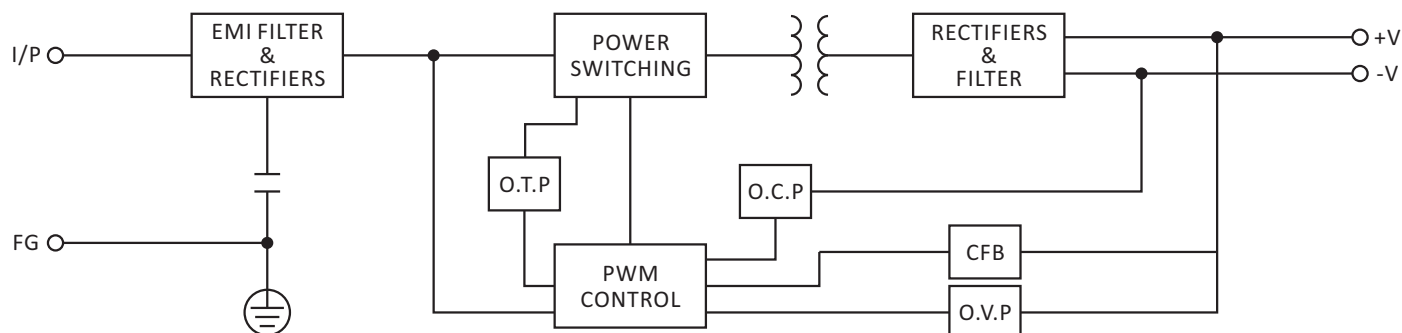
Output 12VDC 50A 600W / 24VDC 25A 600W

Input & Output:

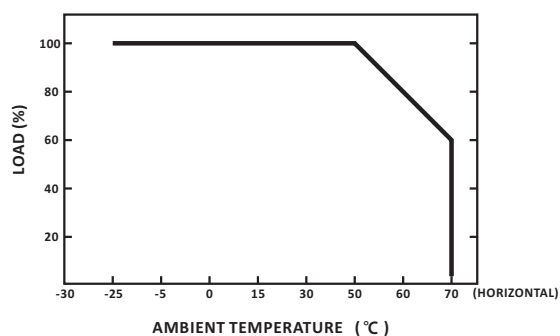
9500-9P Screw Terminals With Cover  
inflaming retarding

Housing: Aluminium

## Block Diagram



## Derating Curve



## Static Characteristics

