



Model: GDS30012-67 Size: 297*74*40mm



Brief Information

Powermax™
Technology Inside

300W

Waterproof Power Supply (C.V.)

Constant voltage design

Model GDSPS30012-67

Input AC 200~240V

Output 12VDC 25A 300W

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	180~264V
Input Frequency	50/60Hz
Efficiency (Typ.)	87%
Input Current	230V: 1.25A max.
Inrush Current	60A
Leakage Current	5mA/230VAC

DC Output

Output Voltage	12V
Rated Current	25A
Rated Power	300W
Ripple & Noise (Max.)	<100mVp-p
Setup, Rise Time	1500ms/230VAC
Line Regulation	±3%
Load Regulation	±5%

Service Environment

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

Protection

Overload	Yes, cut-off mode, output shuts down if over-loaded
Short Circuit	Yes, hiccup mode, recovers automatically after fault condition is removed

Safety

Safety Standard	EN 61347-2-13
Withstand Voltage	I/P-O/P: 3750VAC/1min/<5mA
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH

Packaging Information

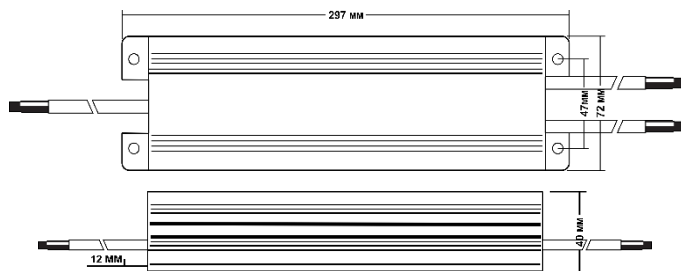
Product Dimension	297*74*40mm
Products Net Weight	1200G
PCS/Carton(QTY)	10 PCS
Master Carton Size	28*26*20cm
G. Weight/ Carton	13KG

Installation Tips:

- Please identify the power supply's input and output before installation.
- Ensure correct output + & - wireconnection.
- 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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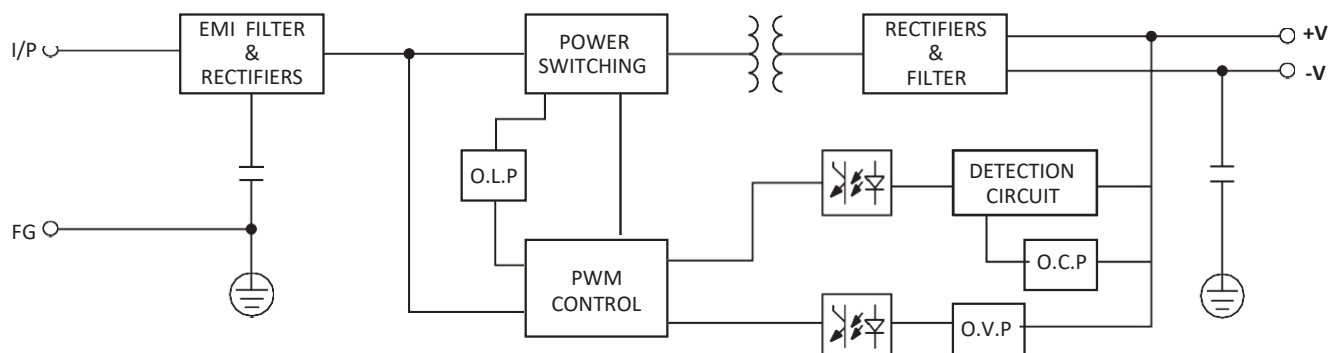
Output 12VDC 25A 300W

Input: 3x1.0mm² wire, Brown L, Blue N
200mm length

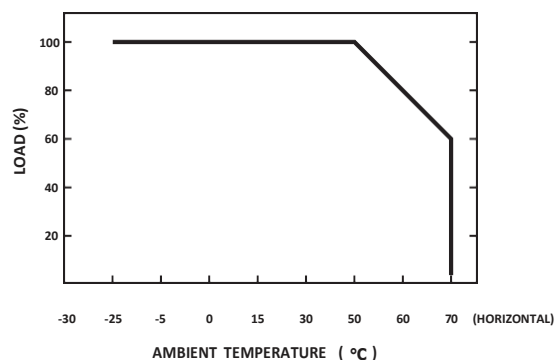
Output: 2x0.75mm² wire, Red +, Black -
200mm length

Housing: Aluminium

Block Diagram



Derating Curve



Static Characteristics

