Scharfer

Professional LED power supplies

Brief Information

Powermax™ Technology Inside

400W

Waterproof Power Supply (C.V.)

Model SCH-400-12 / SCH-400-24
Input 190-250V AC
Output 12VDC 33.3A 400W / 24VDC 16.7A 400W



Model: **SCH-400-12** **SCH-400-24** Size: 300*90*40mm **PF>0.98**

CE UKCA IP67 Waterproof SELV RoHS COMPLIANT

Product Features

- High transfer efficiency
- Built-in active PFC, PF>0.98
- 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	190-250V AC
Input Frequency	50/60Hz
Efficiency (Typ.)	>91%
Input Current	230V: 1.9A max.
Inrush Current	50A
Leakage Current	5mA/230VAC

DC Output

Output Voltage	12V	24V
Rated Current	33.3A	16.7A
Rated Power	400W	400W
Ripple & Noise (Max.)	<240mVp-p	<240mVp-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~80°C
Storage Humidity	10~99%RH

Protection

Overload	Yes, cut-off mode, output cut-off if 5–30% overloaded, automatic recovery
Short Circuit	Yes, cut-off mode, recovers automatically after fault condition is removed

Safety

Safety Standard	EN 61347-2-13
Withstand Voltage	I/P-O/P: 3000VAC/1min/<5mA
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH

Packaging Information

Product Dimension	300*90*40mm
Products Net Weight	1800G
PCS/Carton(QTY)	8 PCS
G. Weight/ Carton	16KG
Carton Dimension	37*21*25cm

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.

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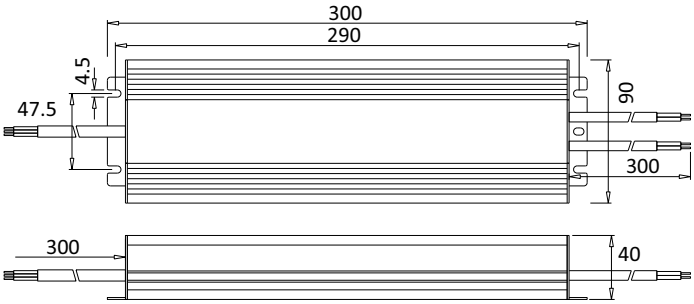
Input: 3x1.0mm² wire, Brown L, Blue N
300mm length

Output: 2x2.08mm² wire, Red +, Black -
300mm length, 2 outlets

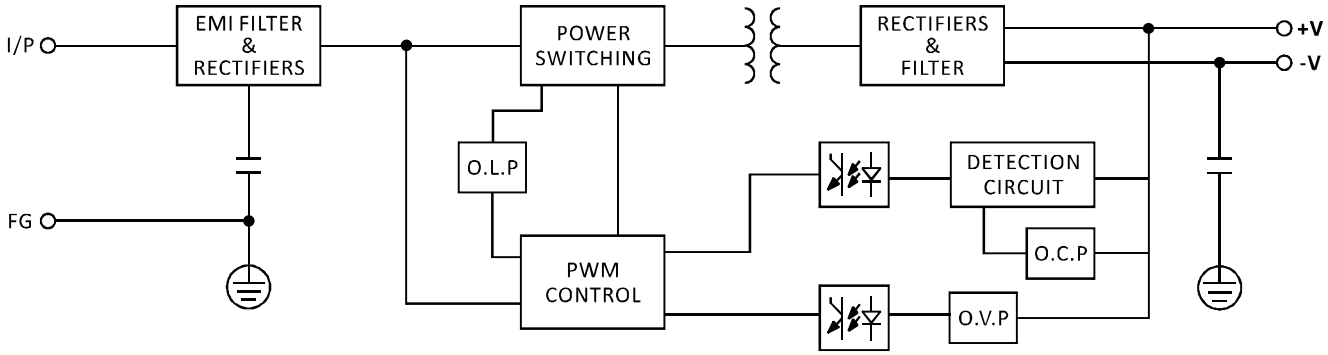
Housing: Aluminium

Physical Drawing

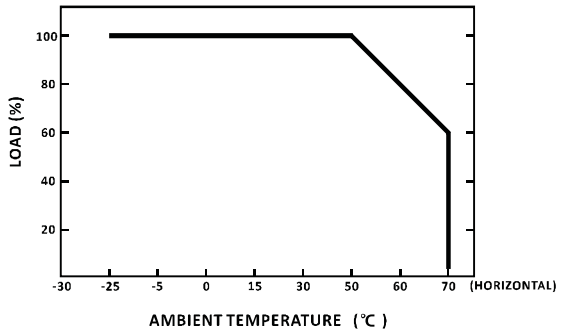
Unit: mm



Block Diagram



Derating Curve



Static Characteristics

