Scharfer

Professional LED power supplies

Brief Information

18W

Waterproof Power Supply (C.V.)

Model SCH-18-12 / SCH-18-24
Input 100-250V AC
Output 12VDC 1.5A 18W / 24VDC 0.75A 18W

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



Model: **SCH-18-12** Size: 162*28*20mm
SCH-18-24

CE UKCA IP67 Waterproof SELV RoHS COMPLIANT

MAIN ELECTRICAL DATA

AC Input

Input Voltage	100-250V AC
Input Frequency	50/60Hz
Efficiency (Typ.)	83%
Input Current	230V: 0. 19A max.
Inrush Current	40A
Leakage Current	1mA/230VAC

DC Output

Output Voltage	12V	24V
Rated Current	1.5A	0.75A
Rated Power	18W	18W
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	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	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	162*28*20mm
Product Net Weight	135G
PCS/Carton(QTY)	100 PCS
Master Carton Size	26*22*23cm
G. Weight/ Carton	16KG

Installation Tips:
- Please identify the power supplys 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.

Scharfer

Professional LED power supplies

Brief Information

18W

Waterproof Power Supply (C.V.)

Model SCH-18-12 / SCH-18-24

Input 100-250V AC

Output 12VDC 1.5A 18W / 24VDC 0.75A 18W

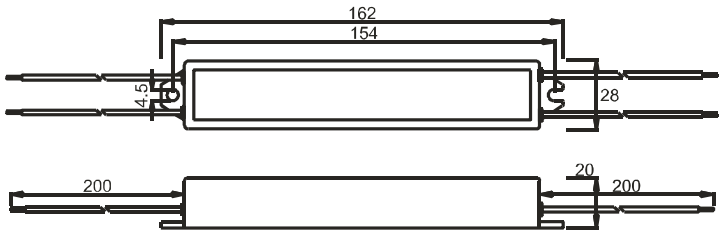
Input: 2x0.5mm² wire, Brown L, Blue N
200mm length

Output: 2x0.5mm² wire, Red +, Black -
200mm length

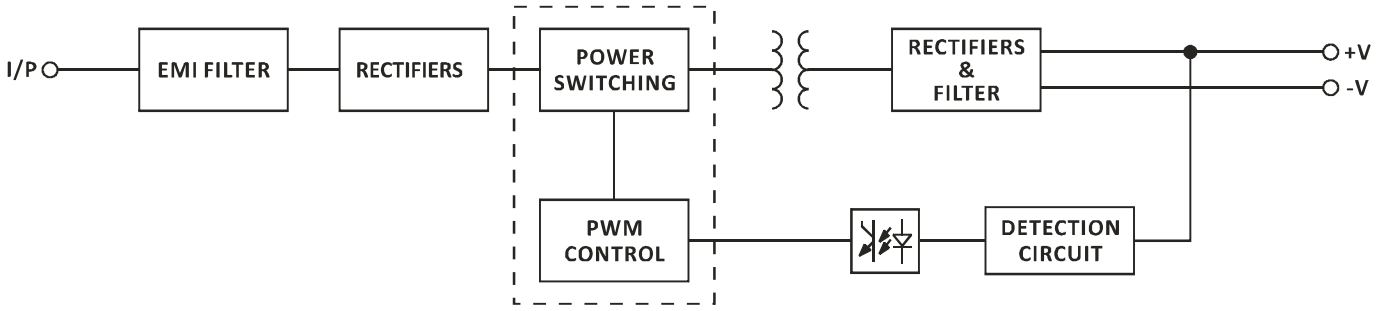
Housing: ABS (fire retardant V0)

Physical Drawing

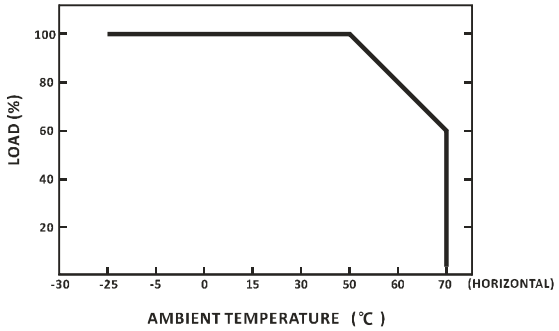
Unit: mm



Block Diagram



Derating Curve



Static Characteristics

