**EN:** This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

# Scharfer

## Professional LED power supplies




Model: **SCH-100-12** Size: 218*40*22mm
**SCH-100-24**

CE SELV IP67 Waterproof

### Brief Information

SSS Super Slim Series

# 100W

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

Model SCH-100-12 / SCH-100-24
Input 170-250V AC
Output 12V DC 8.33A 100W / 24V DC 4.17A 100W

### Product Features

- Compact size, easy for installation
- High transfer efficiency
- 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.) | 90% |
| Input Current | 230V: 0.72A max. |
| Inrush Current | 40A |
| Leakage Current | 5mA/230VAC |

### DC Output

| | | |
|---|---|---|
| Output Voltage | 12V | 24V |
| Rated Current | 8.33A | 4.17A |
| Rated Power | 100W | 100W |
| 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, cut-off mode, output shuts down if 10-20% 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: 3000VAC/1min/<5mA |
| Isolation Resistance | I/P-O/P: >100M Ohms / 500VDC /25°C / 70%RH |

## Packaging Information

| | |
|---|---|
| Product Dimension | 218*40*22mm |
| Products Net Weight | 390G |
| PCS/Carton(QTY) | 40 PCS |
| Master Carton Size | 37*26*26cm |
| G. Weight/ Carton | 17KG |

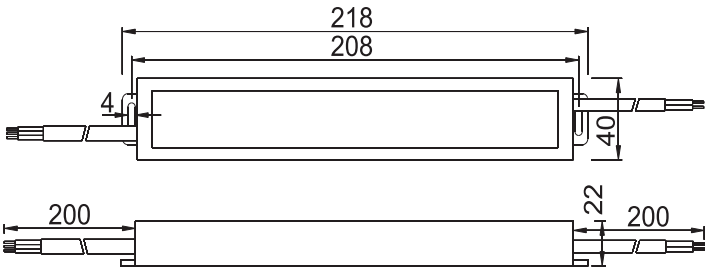
**Installation Tips:**
- Please identify the power supply's input and output before installation.
- Ensure correct output + & - wire connection. Power on after wire connection is done.
- To avoid voltage drop and loading capacity wasting on the output extension wire, please install the power supply to 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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## Physical Drawing

Unit: mm




**Brief Information**

SSS
Super Slim Series

# 100W

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

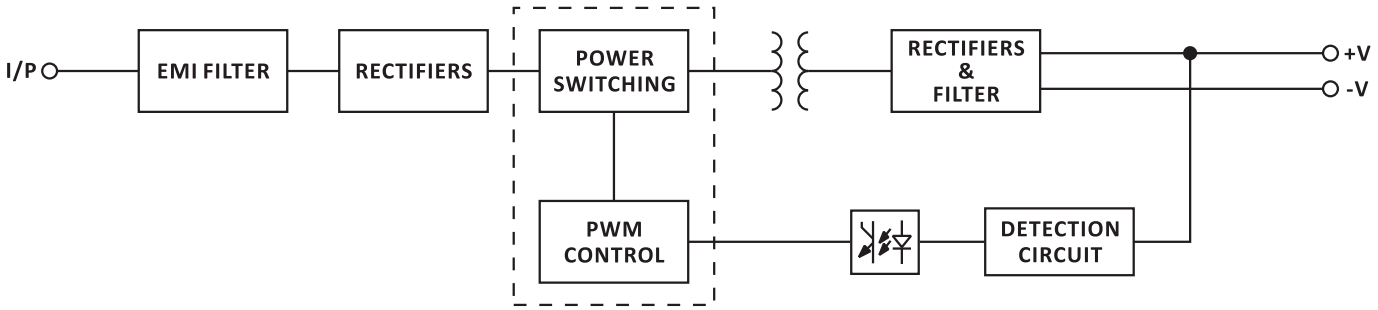
Model SCH-100-12 / SCH-100-24
Input 170-250V AC
Output 12V DC 8.33A 100W / 24V DC 4.17A 100W

Input: 3x0.75mm² wire, Brown L, Blue N
200mm length

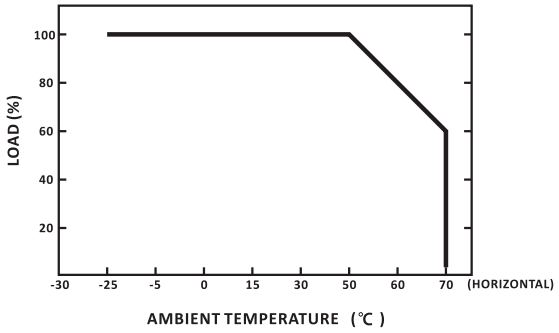
Output: 2x1mm² wire, Red +, Black -
200mm length

Housing: Aluminium

## Block Diagram




## Derating Curve




## Static Characteristics

