



Steca Solsum

5.0c, 8.0c, 6.6c, 8.8c, 10.10c

The Steca Solsum is one of the most sold charge controllers on the market. It is optimally suited for use in solar home systems with load currents of up to 10 A at 12 V/24 V and up to 240 Wp module output.

As a successor to the Solsum X series, the Solsum C generation has a completely protected circuit board and is distinguished by its ease of use through two LEDs. This generation of charge controllers has also been conceived to allow the controllers to be made and repaired on-site in large projects.

Features

- Voltage regulation
- PWM shunt battery charging
- Boost- and Float charging
- Automatic load reconnection
- Automatic selection of voltage (12 V / 24 V)
- Temperature compensation
- Positive grounding (or) Negative grounding on one terminal

Protection functionality

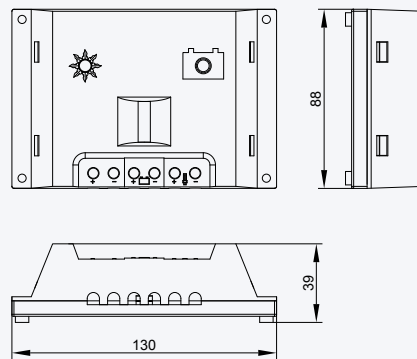
- Battery-overload protection
- Battery deep-discharge protection (not for 5.0c and 8.0c)
- Reverse-polarity protection at module input
- Reverse-polarity protection for the load
- Short-circuit protection of the load
- Short-circuit protection of the module
- Overvoltage protection at module input
- Idling protection in case no battery is connected
- Prevention of back current into the module

Displays

2 LEDs

- LED 1: yellow – battery charging LED - by solar module
- LED 2: green – battery full
- LED 2: red – battery empty

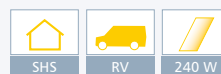
Technical data



| Solar Charge Controller | Solsum 5.0c | Solsum 8.0c | Solsum 6.6c | Solsum 8.8c | Solsum 10.10c |
|---|---|-------------|-----------------|-------------|---------------|
| System voltage | 12 V (24 V) | | | | |
| Max. module input short circuit current | 5 A | 8 A | 6 A | 8 A | 10 A |
| Max. load output current | 5 A | 8 A | 6 A | 8 A | 10 A |
| LVD | - | - | ✓ | ✓ | ✓ |
| Max. self consumption | 4 mA | | | | |
| End of charge voltage (float) | 13.7 V (27.4 V) | | | | |
| Boost charge voltage; 2 h | 14.4 V (28.8 V) | | | | |
| Equalisation charge | - | | | | |
| Reconnection setpoint (LVR) | without LVR | | 12.6 V (25.2 V) | | |
| Deep discharge protection (LVD) | without LVD | | 11.1 V (22.2 V) | | |
| Ambient temperature allowed | -25 °C...+50 °C | | | | |
| Terminal size (fine/single wire) | 2.5 mm ² / 4 mm ² | | | | |
| Enclosure protection class | IP 22 | | | | |
| Weight | 165 g | | | | |
| Dimensions l x w x h | 130 x 88 x 39 mm | | | | |

Technical data at 25 °C / 77 °F

Power class 5 A - 10 A



Certificates

- Approved for Worldbank funded projects in Indonesia by TÜV
- Listed for Worldbank funded projects in Bangladesh, China, Laos, Nepal, Sri Lanka, Uganda
- Compliant to the use in tropical areas (DIN IEC 68 part 2-30)
- Conform to European Standards (CE)
- Manufactured in an ISO 9001 facility