

SOLSUM

6.6c, 8.8c, 10.10c



Regulador Solar Steca Solsum

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.

The Solsum C generation has a completely protected circuit board and is distinguished by its clear display, which uses 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.

Product features

- Shunt controller
- Voltage regulation
- Automatic detection of voltage
- PWM control
- Multistage charging technology
- Load disconnection depending on voltage
- Automatic load reconnection
- Temperature compensation
- Common positive or negative grounding on one terminal
- Monthly maintenance charge

Electronic protection functions

- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of module and battery
- Reverse polarity protection by internal fuse
- Automatic electronic fuse
- Short circuit protection of load and module
- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Overtemperature and overload protection
- Battery overvoltage shutdown

Displays

- Multi-coloured LED
- 2 LEDs show operating states
- for operation, state of charge, fault messages

Certificates

- Approved by the World Bank for Bangladesh, China, Laos, Nepal, Sri Lanka, Uganda and Indonesia
- Fit for use in tropical areas (DIN IEC 68 part 2-30)
- Compliant with European Standards (CE)
- RoHS compliant
- Developed in Germany
- Manufactured according to ISO 9001 and ISO 14001

SPECIFICATIONS

	6.6c	8.8c	10.10c
Performance			
System voltage		12/24 V	
Own consumption		< 4 mA	
DC input side			
Maximum open circuit voltage		< 47 Vcc	
Module current	6 Amp	8 Amp	10 Amp
DC output side			
Load current	6 Amp	8 Amp	10 Amp
End of charge voltage		13,9 / 27,8 Vcc	
Boost charge voltage		14,4 / 28,8 Vcc	
Reconnection voltage (LVR)		12,4 - 12,7 Vcc / - 22,4 - 25,2 Vcc	
Deep discharge protection (LVD)		11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc	
Operating conditions			
Ambient temperature		-25 °C a + 60 °C	
Fiting and construction			
Terminal (fine / single wire)		4 mm ² / 6 mm ²	
Degree of protection		IP 32	
Dimensions		145 x 100 x 30 mm	
Weight		150 gr.	

Technical data at 25 °C

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