

# **SOLSUM**

**Bornay** 

### 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

- 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)
- Developed in Germany
- Manufactured according to ISO 9001 and ISO 14001

## **SPECIFICATIONS**

12/24 \   12/2		6.6c	8.8c	10.10c	
	Performance				
Emptt side         < 47 Vcc           Eximum open circuit voltage         < 47 Vcc           Eximum open circuit voltage         6 Amp         8 Amp         10 Amp           Soutput side         8 Amp         10 Amp           Eximum open circuit voltage         8 Amp         10 Amp           Incompany of contractions         13,9/27,8 Vcc         13,9/27,8 Vcc           Incompany of contraction voltage (LVR)         12,4-12,7 Vcc/-22,4-25,2 Vcc         12,4-12,7 Vcc/-22,4-25,2 Vcc           Incompany of contraction (LVD)         11,2-11,6 Vcc/22,4-23,2 Vcc         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         4 mm² / 6 mm²         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         4 mm² / 6 mm²         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         4 mm² / 6 mm²         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         4 mm² / 6 mm²         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         4 mm² / 6 mm²         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         4 mm² / 6 mm²         12,4-12,7 Vcc/-22,4-23,2 Vcc           Incompany of continual (fine / single wire)         1,2-11,6 Vcc/-22,4-23,2 Vcc         12,4-12,7 Vcc/-22,4-23	System voltage		12/24 V		
	Own consumption		< 4 mA		
March   Marc	DC input side				
coutput side         6 Amp         8 Amp         10 Amp           of charge voltage         13,9 / 27,8 Vcc         13,9 / 27,8 Vcc           ost charge voltage         14,4 / 28,8 Vcc         12,4 - 12,7 Vcc / - 22,4 - 25,2 Vcc           connection voltage ( LVR)         12,4 - 12,7 Vcc / - 22,4 - 25,2 Vcc           ep discharge protection (LVD)         11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc           erating conditions         -25 °C a + 60 °C           ing and construction         4 mm² / 6 mm²           gree of protection         IP 32           mensions         145 x 100 x 30 mm	Maximum open circuit voltage		< 47 Vcc		
10 Amp	Module current	6 Amp	8 Amp	10 Amp	
13,9/27,8 Vcc     13,9/27,8 Vcc     14,4/28,8 Vcc     12,4-12,7 Vcc/-22,4-25,2 Vcc     ep discharge protection (LVD)     erating conditions     bient temperature   -25 °C a + 60 °C     ing and construction     rminal (fine / single wire)   4 mm²/6 mm²     gree of protection     IP 32     mensions     145 x 100 x 30 mm	DC output side				
ost charge voltage  connection voltage (LVR)  12,4 - 12,7 Vcc / - 22,4 - 25,2 Vcc  ep discharge protection (LVD)  11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc  erating conditions  relient temperature  -25 °C a + 60 °C  reminal (fine / single wire)  reminal (fine / single wire)  gree of protection  IP 32  145 x 100 x 30 mm	Load current	6 Amp	8 Amp	10 Amp	
connection voltage (LVR)  12,4 - 12,7 Vcc / - 22,4 - 25,2 Vcc  ep discharge protection (LVD)  11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc  erating conditions  abient temperature  -25 °C a + 60 °C  fing and construction  rminal (fine / single wire)  gree of protection  IP 32  Hensions  145 x 100 x 30 mm	End of charge voltage		13,9 / 27,8 Vcc		
ep discharge protection (LVD)  11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc  erating conditions  ribient temperature  -25 °C a + 60 °C  ing and construction  rminal (fine / single wire)  gree of protection  IP 32  nensions  145 x 100 x 30 mm	Boost charge voltage		14,4 / 28,8 Vcc		
rerating conditions  ribient temperature -25 °C a + 60 °C  ring and construction  rminal (fine / single wire) 4 mm² / 6 mm²  gree of protection IP 32  mensions 145 x 100 x 30 mm	Reconnection voltage ( LVR)		12,4 - 12,7 Vcc / - 22,4 - 25,2 Vcc		
ripient temperature -25 °C a + 60 °C  ring and construction  rminal (fine / single wire) 4 mm² / 6 mm²  gree of protection IP 32  mensions 145 x 100 x 30 mm	Deep discharge protection (LVD)		11,2 - 11,6 Vcc / 22,4 - 23,2 Vcc		
ing and construction  rminal (fine / single wire)  gree of protection  IP 32  mensions  145 x 100 x 30 mm	Operating conditions				
rminal (fine / single wire)  gree of protection  IP 32  mensions  145 x 100 x 30 mm	Ambient temperature		-25 °C a + 60 °C		
gree of protection IP 32 mensions 145 x 100 x 30 mm	Fiting and construction				
mensions 145 x 100 x 30 mm	Terminal (fine / single wire)		4 mm <sup>2</sup> / 6 mm <sup>2</sup>		
	Degree of protection		IP 32		
eight 150 gr.	Dimensions		145 x 100 x 30 mm		
	Weight		150 gr.		

Technical data at 25 ℃

## DONWLOADS

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