Steca Solsum F

6.6F, 8.8F, 10.10F

The Steca Solsum F-Line continues the huge success of one of the most used SHS controllers. With a power range of up to 10 A at automatically recognized 12 V or 24 V it fits to a system sizes of maximum 240 W.

The circuit board is completely electronically protected and with the LED user interface it is easy to check the battery state of charge at any time. Large terminals guarantee a simple connection of solar panels, battery and load. The Steca Solsum F works on PWM as a low loss series controller.

Product features

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

Electronic protection functions

- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of load, module and battery
- 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

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

Options

- Night light function pre-set in the factory or adjustable via Steca PA RC 100
- Parameterisation of function values via Steca PA RC 100

Certificates

- Compliant with European Standards (CE)
- RoHS compliant
- Developed in Germany
- Manufactured according to ISO 9001 and ISO 14001

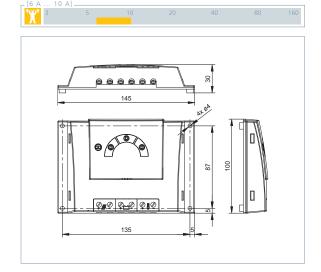
For product and purchasing inquiries contact:



ENERGY SOLUTIO

www.ecodirect.com





Characterisation of the operating performance System voltage Own consumption C 4 mA DC input side Open circuit voltage solar module Open circuit voltage solar module Open circuit voltage solar module C 47 V Module current OBA DC output side Load current OBA End of charge voltage Boost charge voltage TAU (28.8 V) Reconnection voltage (LVR) Deep discharge protection (LVD) Deep discharge voltage Ambient temperature C 25 °C +50 °C Fitting and construction Terminal (fine / single wire) A mm² / 6 mm² - AWG 12 / 9					
System voltage 12 V (24 V) Own consumption < 4 mA		6.6F	8.8F	10.10F	
Own consumption < 4 mA	Characterisation of the operating performance				
DC input side Open circuit voltage solar module < 47 V	System voltage	12 V (24 V)			
Open circuit voltage solar module < 47 V	Own consumption	< 4 mA			
Module current 6 A 8 A 10 A DC output side Load current 6 A 8 A 10 A End of charge voltage 13.9 V (27.8 V) Boost charge voltage 14.4 V (28.8 V) Reconnection voltage (LVR) 12.4 V 12.7 V (24.8 V 25.4 V) Deep discharge protection (LVD) 11.2 V 11.6 V (22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	DC input side				
DC output side Load current 6 A 8 A 10 A End of charge voltage 13.9 V (27.8 V) Boost charge voltage 14.4 V (28.8 V) Reconnection voltage (LVR) 12.4 V 12.7 V (24.8 V 25.4 V) Deep discharge protection (LVD) 11.2 V 11.6 V (22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	Open circuit voltage solar module	< 47 V			
Load current 6 A 8 A 10 A End of charge voltage 13.9 V (27.8 V) Boost charge voltage 14.4 V (28.8 V) Reconnection voltage (LVR) 12.4 V 12.7 V (24.8 V 25.4 V) Deep discharge protection (LVD) 11.2 V 11.6 V (22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	Module current	6 A	8 A	10 A	
End of charge voltage 13.9 V (27.8 V) Boost charge voltage 14.4 V (28.8 V) Reconnection voltage (LVR) 12.4 V 12.7 V (24.8 V 25.4 V) Deep discharge protection (LVD) 11.2 V 11.6 V (22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	DC output side				
Boost charge voltage	Load current	6 A	8 A	10 A	
Reconnection voltage (LVR) 12.4 V 12.7 V (24.8 V 25.4 V) Deep discharge protection (LVD) 11.2 V 11.6 V (22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	End of charge voltage	13.9 V (27.8 V)			
(24.8 V 25.4 V) Deep discharge protection (LVD) 11.2 V 11.6 V (22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	Boost charge voltage	14.4 V (28.8 V)			
(22.4 V 23.2 V) Operating conditions Ambient temperature -25 °C +50 °C Fitting and construction	Reconnection voltage (LVR)				
Ambient temperature -25 °C +50 °C Fitting and construction	Deep discharge protection (LVD)				
Fitting and construction	Operating conditions				
	Ambient temperature	-25 °C +50 °C			
Terminal (fine / single wire) 4 mm² / 6 mm² - AWG 12 / 9	Fitting and construction				
	Terminal (fine / single wire)	4 mm² / 6 mm² - AWG 12 / 9			
Degree of protection IP 32	Degree of protection	IP 32			
Dimensions (X x Y x Z) 145 x 100 x 30 mm	Dimensions (X x Y x Z)	145 x 100 x 30 mm			
Weight approx. 150 g	Weight	approx. 150 g			

Technical data at 25 °C / 77 °F



Steca PA RC100 Remote control

[areas of application]-







