

Product features

- True sine wave voltage
- High overload capacity
- Integrated MPP tracker
- Multi-stage charge technology
- Monthly equalising charging
- Auxiliary contact for starting a generator
- Adjustable charging end voltages
- Battery type: gel / liquid lead battery
- Lightweight construction
- Easy installation

Electronic protection functions

- Overload protection
- Reverse polarity protection of modules, for battery via fuse
- Deep discharge protection
- Short-circuit protection for load
- Reverse current protection at night
- Overtemperature and overload protection
- Acoustic alarm
- PE connection

Displays

- Graphic LC display and three LEDs show operating states

Operation

- Simple menu-guided operation
- Button-based programming

Interfaces

- Current data is output via RS-232

Options

- Interconnectable in parallel or in three phases (parallel kit required)

Certificates

- CE-compliant
- RoHS-compliant
- Manufactured under the terms of ISO 9001 and ISO 14001



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Steca Solsum

0606 | 0808 | 1010 |
2525 | 4040



ENGLISH

Steca Solsum

0606 | 0808 | 1010



The Steca Solsum-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.

Full circuit board protection with LED display for simple recognition of battery status. Various connections make it possible to connect easily to solar panels, battery and load. The Steca Solsum works on PWM as a low loss series controller.

	0606	0808	1010
Characterisation of the operating performance			
System voltage	12 V (24 V)		
Own consumption	< 4 mA		
DC input			
Open circuit voltage solar module (at minimum operating temperature)	< 47 V		
Module current	6 A	8 A	10 A
DC output			
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)		
Battery			
End of charge voltage*	13.9 V (27.8 V)		
Boost charge voltage*	14.4 V (28.8 V)		
Set battery type*	gel		
Operating conditions			
Ambient temperature	-25 °C ... +50 °C		
Fitting and construction			
Terminal (fine / single wire)	4 mm² / 6 mm² - AWG 12 / 9		
Degree of protection	IP 31		
Dimensions (X x Y x Z)	145 x 100 x 30 mm		
Weight	approx. 150 g		

Technical data at 25 °C / 77 °F
* adjustable via Steca PA RC100
** Inverters must not be connected to the load output.

Steca Solsum

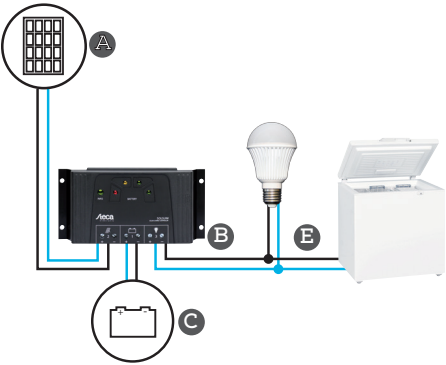
2525 | 4040



Solar charge controllers Steca Solsum 2525 and 4040 are newly developed products based on the internationally renowned controller family Solarix PRS. With increased module and load current, the controllers are now also suitable for even larger systems. The devices also feature an integrated USB charging port for charging smartphones and tablets. The controllers demonstrate impressive performance, are simple to use and offer unbeatable value for money.

Several LEDs in various colours give information on the battery's state of charge. Here, Steca's latest algorithms are employed, resulting in optimal battery maintenance. The Steca Solsum charge controllers are equipped with an electronic fuse, thus making optimal protection possible. They operate on the serial principle, and separate the solar module from the battery in order to protect it against overcharging.

For larger projects, the charge controllers can also be equipped with special functions: e.g. with night light function and selectable charging plateau and deep-discharge protection voltages.



- Key:
- A Solar modules
 - B Solar charge controller
 - C Battery
 - E Load

	2525	4040
Characterisation of the operating performance		
System voltage	12 V (24 V)	
Own consumption	< 10.5 mA	
DC input		
Open circuit voltage solar module (at minimum operating temperature)	< 47 V	
Module current	25 A	40 A
DC output		
Load current**	25 A	40 A
USB charge socket	5.2 V / 15 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)	
Battery		
Charge current	9 V ... 17 V (17.1 V ... 34 V)	
End of charge voltage*	13.9 V (27.8 V)	
Boost charge voltage*	14.4 V (28.8 V)	
Equalisation charge*	14.7 V (29.4 V)	
Set battery type*	liquid	
Operating conditions		
Ambient temperature	-25 °C ... +50 °C	
Fitting and construction		
Terminal (fine / single wire)	16 mm ² / 25 mm ² - AWG 6 / 4	
Degree of protection	IP 30	
Dimensions (X x Y x Z)	187 x 97 x 45 mm	
Weight	345 g	

Technical data at 25 °C / 77 °F
* adjustable via Steca PA RC100
** Inverters must not be connected to the load output.

