



## Steca Solarix MPPT

### MPPT 2010

The new Steca charge controller Solarix MPPT is a maximum power point tracker to optimally charge batteries. It is specially designed to connect PV-modules which are used in grid-connected systems. It is a simple and reliable device providing maximum flexibility in module configuration. It is also possible to use thin film modules with this device. The latest technology guarantees professional battery care combined with modern design and outstanding protection features.



### Product features

- Maximum power point tracker (MPP controller)
- Voltage and current regulation
- Serial PWM control
- Current compensated load disconnection
- Automatic load reconnection
- Temperature compensation
- Night light function with Steca PA RC100
- Monthly maintenance charge

### Electronic protection functions

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

### Displays

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

### Operation

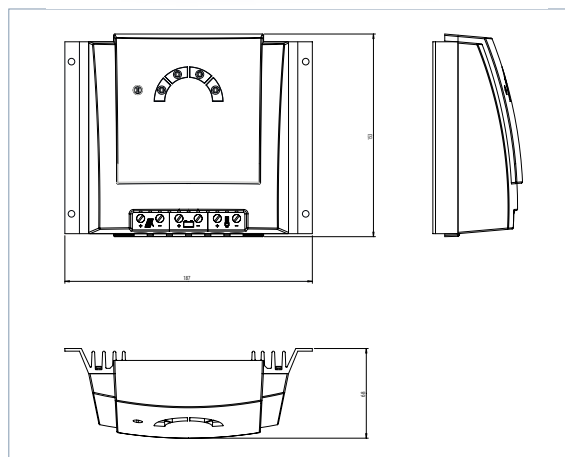
- Adjustable by remote control

### Interface

- Steca Optobus

### Certificates

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



Technical Data	Solarix MPPT	
<b>Display input data</b>		
MPP voltage	> 17 V	> 34 V
Open circuit voltage module	< 100 V	< 100 V
<b>DC output data</b>		
Charge current	20 A	
Load current	10 A	
End of charge voltage	13.9 V	27.8 V
Boost charge voltage	14.4 V	28.8 V
Equalisation charge	14.9 V	29.8 V
Reset voltage (SOC/LVR)	> 50 % / 12.5 V (25.0 V)	
Deep discharge protection (SOC/LVD)	< 30 % / 11.5 V (23.0 V)	
<b>Operating behaviour</b>		
System voltage	12 V	24 V
Nominal power	250 W	500 W
Max. efficiency	97 %	
Self consumption	10 mA	
<b>Applicaton conditions</b>		
Ambient temperature	-25 °C ... +50 °C	
<b>Equipment and design</b>		
Terminal (finde / single wire)	16 mm <sup>2</sup> / 25 mm <sup>2</sup> - AWG 6 / 4	
Enclosure protection	IP 20	
Weight	approx. 900 g	
Dimensions (X x Y x Z)	190 x 150 x 70 mm	

Technical data at 25 °C / 77 °F

