



Steca PL 2085

Solar charging point

The Steca PL 2085 solar charging point is a highly intelligent maximum power point tracker which is able to charge eight batteries with different states of charge at the same time.

On the input side, the Steca PL 2085 is fed by a 24 V module array of up to 800 Wp. Every charge channel operates fully independently; it is also possible to connect different batteries with various states of charge. The battery which is connected first is also the first to be charged. The display can show the system data for each individual battery. There is a maximum of 5 A available per charging channel, and a maximum of four channels can be connected in parallel at once, so that two batteries with 20 A each can also be charged. Thanks to the reverse polarity protection, electronic fuse and automatic detection of a faulty battery, the device is maintenance-free and user-friendly.

Product features

- Maximum Power Point Tracker (MPP tracker)
- Charger for 8 batteries
- Up to 4 channels can be connected in parallel
- Special maintenance charge
- Integrated energy meter for every channel
- Temperature compensation

Electronic protection functions

- Overcharge protection
- Reverse polarity protection
- Automatic electronic fuse
- Short circuit protection
- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Overtemperature and overload protection

Displays

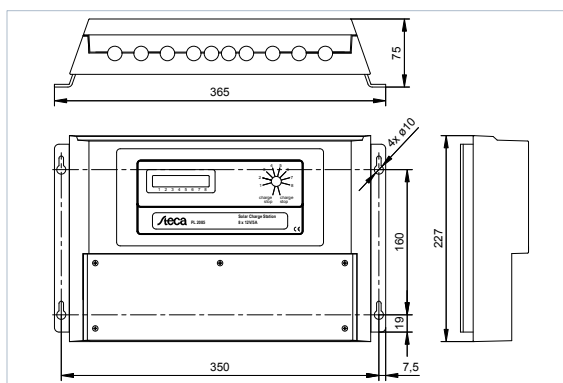
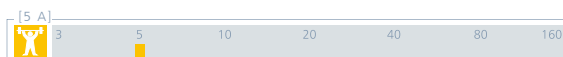
- Every single battery station
- Text LCD display
 - for voltage, current, charged capacity, state of charge
 - for operating parameters, fault messages, self test

Operation

- Battery selection and charge stop via rotary switch

Certificates

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



	PL 2085
Characterisation of the operating performance	
System voltage	12 V
DC input side	
Recommended module output for 24 V system	200 Wp ... 1,000 Wp
DC output side	
End of charge voltage	13.8 V
Boost charge voltage	14.7 V
Number of charging points	8
Permitted current per connection	5 A
Operating conditions	
Ambient temperature	-20 °C ... +50 °C
Fitting and construction	
Terminal (fine / single wire)	16 mm ² / 25 mm ² - AWG 6 / 4
Degree of protection	IP 54
Dimensions (X x Y x Z)	365 x 227 x 75 mm
Weight	2 kg

Technical data at 25 °C / 77 °F

