Steca PA HS200/400

Accessories for Steca Tarom MPPT 6000-M and Steca Power Tarom

Current sensor

The Steca PA HS200/400 is a highly intelligent current sensor with extremely low own consumption.

The Steca PA HS200/400 comes into play when (e.g.) an inverter is directly connected to the battery and the charge controller cannot measure the current consumption. A shunt is also required when an additional generator (e.g. PV, wind or diesel) directly charges the battery. The current is measured contact-free via a Hall-effect sensor. The data is transmitted to the charge controller over a cable connection. All types of current flows can be detected: charge current, load current and battery and DC-side inverter current flows.

Product features

- Robust metal casing
- Automatic detection of voltage
- Wide current measuring range
- Potential free current measurement
- Communicates and transfers current flows to the charge controller
- Integrated Hall sensor

PA HS400 only:

- Convenient configuration via charge controller
- Connection of up to 8 sensors possible
- Enhanced measuring precision due to multiple winding
- Zero calibration possible via charge controller
- Automatic detection of current direction

Displays

- 1 or 3 LEDs indicate operating states (Steca PA HS200/400)
- Display via charge controller screen

Interfaces

- Two RJ45 cable sockets

Modes of operation

- »Battery«: measures all battery current flows
- »Load«: measures currents of external loads not connected to the charge controller
- »Charge«: measures currents of generators

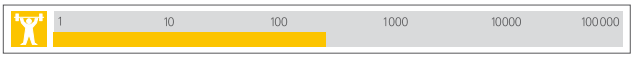
Certificates

- Compliant with European Standards (CE)
- Made in Germany
- Developed in Germany

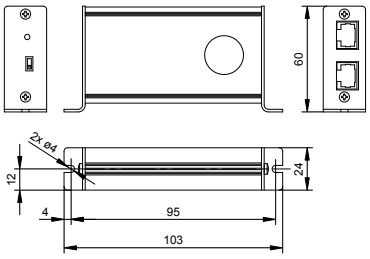
Solar charge controller	Type
Steca Power Tarom	Steca PA HS200
Steca Tarom MPPT 6000-M	Steca PA HS400

Areas of application:

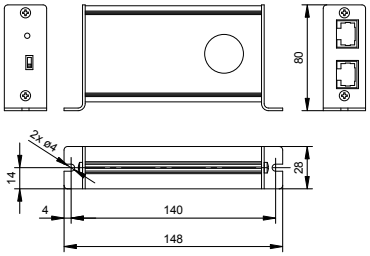
0 A...400 A



Steca PA HS200



Steca PA HS400



	PA HS200	PA HS400
Characterisation of the operating performance		
System voltage	10 V … 65 V	12 V … 65 V
Own consumption	< 9 mA	≤ 9 mA
Measurement accuracy	(-20 A … +20 A) +/-1 % (-200 A … +200 A) +/-3 %	(-40 A … +40 A) +/-1 % (-400 A … +400 A) +/-3 %
Measuring interval	60 s	1 s
Operating conditions		
Ambient temperature	-15 °C … +50 °C	-25 °C … +50 °C
Relative humidity	75 %	
Fitting and construction		
Interfaces	Power Tarom	StecaLink Bus (Tarom MPPT 6000-M)
Current range "battery" mode	-200 A... +200 A	-400 A... +400 A
Current range "charge" mode	0 A … +200 A	0 A … +400 A
Current range "load" mode	-200 A … 0 A	-400 A … 0 A
Degree of protection	IP 22	
Dimensions (X x Y x Z)	103 x 60 x 24 mm	140 x 80 x 28 mm
Weight	120 g	250 g
Max. diameter for battery cable	19 mm	20 mm

Technical data at 25 °C / 77 °F