Steca PA HS200/400

Current sensor, accessories for Steca Tarom MPPT 6000-M, Steca Tarom and Steca Power Tarom

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. The Steca PA HS200 has been developed for applications with the Steca Power Tarom. The PA HS400 can be used exclusively with Steca Tarom MPPT 6000-M and Steca Tarom 4545/4545-48.

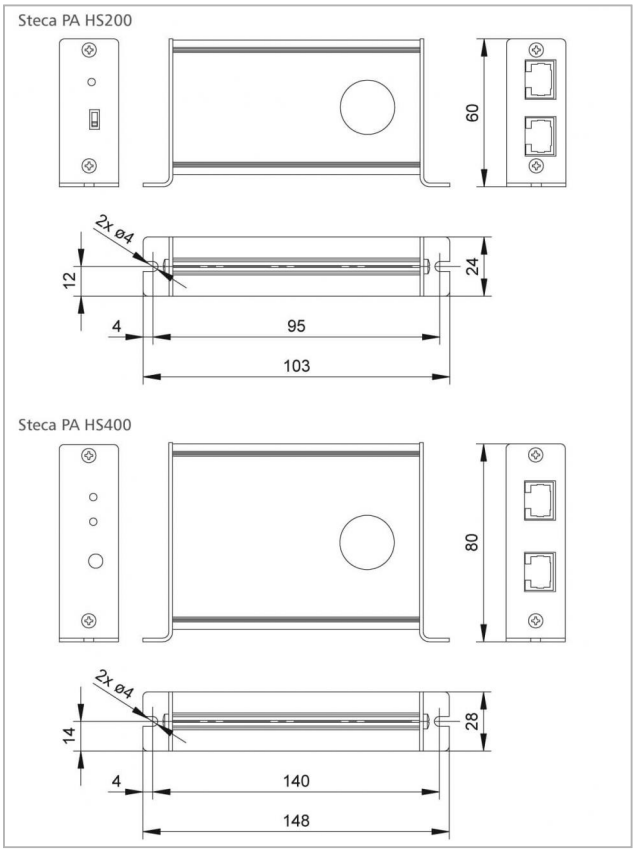
Product features
- Robust metal casing
- Automatic detection of voltage
- Wide current measuring range
- Potential free current measurement
- Communicates and stores data in the Steca PA Tarcom
- Integrated Hall sensor

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

Interfaces
- StecaLink Bus (only Steca PA HS400)
- Two RJ45 cable sockets

Modes of operation
- "Battery": measures currents which flow through the battery cable
- "Load": measures currents of external loads not connected to the charge controller
- "Charge": measures currents of back-up generators
- "Charge/discharge procedure": measures incoming and outgoing currents, e.g. for inverters with battery charger

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



	PA HS200	PA HS400
Characterisation of the operating performance		
System voltage	10 V … 65 V	12 V … 65 V
Own consumption	< 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 4545/4545-48, 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	

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Dimensions (X for battery cable	103 x 120 x 24 mm	140 x 200 x 28 mm