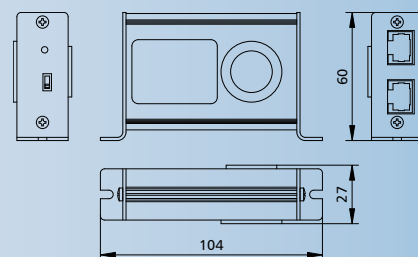




## Accessories



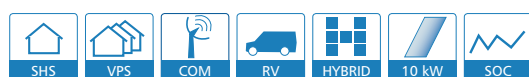
# Steca PA HS200

## Shunt

All currents which run through the Tarom and Power Tarom charge controllers are measured for an accurate calculation of the battery's state of charge. However there are currents which the charge controllers do not measure like inverters which are connected directly to the battery or back up generators which feed their energy directly into the battery. The PA HS200 shunt measures these currents through the "hall" effect and transmits them digitally to the Tarom controllers.

### Certificates

- conform to European Standards (CE)
- Made in Germany
- manufactured in a
  - DIN EN ISO 9001:2000 and
  - DIN EN ISO 14001 facility



| Shunt for (Power-)Tarom            | PA HS200             |
|------------------------------------|----------------------|
| system voltage                     | 10...65 V            |
| consumption during standby         | < 9 mA               |
| current range "battery mode"       | +/-200 A             |
| current range "charge mode"        | 0...+200 A           |
| current range "load mode"          | -200...0 A           |
| measurement accuracy -20...+20 A   | +/-1 %               |
| measurement accuracy -200...+200 A | +/-3 %               |
| sensor                             | magnetic hall effect |
| ambient temperature allowed        | -15 °C...+50 °C      |
| max. admissible humidity allowed   | 75 %                 |
| enclosure protection class         | IP 22                |
| weight                             | 120 g                |
| dimensions l x w x h               | 100 x 60 x 25 mm     |
| max. diameter for battery cable    | 19 mm                |

Technical data at 25 °C / 77 °F

### Features

- works on 12 V, 24 V and 48 V voltage level
- up to 200 A measurement capacity
- potential free current measurement
- communicates and stores data in the PA Tarcom
- built in "hall" sensor

### Interfaces

- two RJ45 cable sockets

### Operation modes

- 1 "battery": measures currents which run through the battery cable
- 2 "load": measures currents of external loads not connected to the charge controller
- 3 "charge": measures currents of back up generators

### Displays

- one LED
- connected to charge controller = flashing green LED
  - data transmission = green LED
  - uses Tarom controller's LCD to show values