

Options for Steca solar charge controllers

Accessories for Steca PR 10-30, Steca Solarix MPPT, Steca PR 2020 IP and Steca Tarom

Steca PA TS10, Steca PA TSIP10 and Steca PA TSK10

External temperature sensors

The Steca PA TS10, Steca PA TSIP10 and Steca PA TSK10 external temperature sensors are used for monitoring the battery temperature.

All Steca solar charge controllers have an integrated temperature sensor that makes them capable of adjusting the charging strategy to suit the current temperature conditions. The Steca PA TS10, Steca PA TSIP10 and Steca PA TSK10 external temperature sensors are only required when the battery must be installed in a different room to the solar charge controller.

The Steca PA TS10, Steca PA TSIP10 and Steca PA TSK10 are supplied with a plug for connection to the solar charge controller and ring eyelets for connection to the battery screw.

The external temperature sensors are suitable for use with Steca PR 10-30, Steca Solarix MPPT, Steca PR 2020 IP and Steca Tarom solar charge controllers.



Product features

- Low weight
- Very long lifetime
- Simple installation
- Maintenance-free
- Low own consumption
- Best reliability

Certificates

- Compliant with European Standards (CE)
- RoHS compliant

	PA TS10 / PA TSK10	PA TSIP10
Characterisation of the operating performance		
Measurement accuracy	+/-5 %	
Operating conditions		
Ambient temperature	-25 °C ... +125 °C	
Fitting and construction		
Battery connection	ring eyelet Ø 10 mm	
Charge controller connection	plug	twice a 2-pole luster terminal
Cable	3.75 m	without cable
Degree of protection	IP 22	
Weight	95 g	30 g

Technical data at 25 °C / 77 °F

Solar charge controller	Type	Connection
Steca PR 10-30 Steca Solarix MPPT	Steca PA TS10	spring connector strip
Steca PR 2020 IP	Steca PA TSIP10	twice a 2-pole luster terminal
Steca Tarom	Steca PA TSK10	RJ45

Optional alarm contact

Steca solar charge controllers provide alarm contacts which allow to process this information in any other application. In case of an alarm such as low battery voltage, over temperature, overvoltage or other alarms a signal is processed which can be used for any purpose. The alarm codes are different among the Steca solar charge controllers. Each controller has its own alarm code table. In case an alarm is active either a 5 V signal to ground is active on the alarm contact or a galvanic isolated switch is closed. As soon as the alarm is no longer active the signal goes back to 0 V. The following table provides an overview on the available alarm options for Steca solar charge controllers.

Steca solar charge controller	Signal	Dry contact	Additional electronics necessary
Steca PR 10-30	0 V / 5 V	no	yes, for: - signal processing - galvanic isolation
Steca PR 2020 IP ALARM	switch contact max. 50 V / 100 mA	yes	no
Steca Tarom	0 V / 5 V	no	yes, for: - signal processing - galvanic isolation
Steca Power Tarom	switch contact max. 50 V / 100 mA	yes	no