



Steca Solarix PI550 / PI1100

In developing the Solarix PI sine wave inverter, Steca has brought about some innovations which are unprecedented in this form. These are, above all, parallel connection, the novel operating concept which uses a single rotary switch, direct communication in order to calculate the state of charge (SOC) with Steca Tarom and Steca Power Tarom, and the electronic fuse. Furthermore, our many years of experience have come into play for deploying these inverters specifically in photovoltaic systems. This comes through, for instance, in the way that a most diverse range of appliances is provided with a low operating consumption and a stable energy supply.



Product features

- True sine wave voltage
- Can be connected to Steca Power Tarom using the Steca PAX4 parallel switch box (not for Steca Tarom 4545 and 4545-48)
- Excellent overload capabilities
- Optimal battery protection
- Automatic load detection
- Parallel connectable
- Best reliability
- Protective insulation according to protection class II
- Control by digital signal processor (DSP)

Electronic protection functions

- Deep discharge protection
- Battery overvoltage shutdown
- Overtemperature and overload protection
- Short circuit protection
- Reverse polarity protection
- Automatic electronic fuse

Displays

- Multi-coloured LED shows operating states

Operation

- Main switch
- Adjustable load detection

Certificates

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

	550	1100
Characterisation of the operating performance		
System voltage	12 V	24 V
Continuous power	500 VA	1.000 VA
Power 30 min.	550 VA	1.110 VA
Power 5 sec.	1.500 VA	3.000 VA
Power asymmetric	350 VA	500 VA
Max. efficiency	93 %	94 %
Own consumption standby / ON	0,5 W / 6 W	0,7 W / 10 W
DC input side		
Battery voltage	10,5 V ... 16 V	21 V ... 32 V
Reconnection voltage (LVR)	12,5 V	25 V
Deep discharge protection (LVD)	current driven or by Steca Power Tarom	
AC output side		
Output voltage	230 V AC +/-10 %	230 V AC +/-10 %
Output frequency	50 Hz	50 Hz
Cosphi	0,1 ... 1 (to P _{nom})	
Load detection (standby)	adjustable: 2 W ... 50 W	
Safety		
Safety class	II (double insulated)	
Electrical protection	reverse polarity battery, reverse polarity AC over voltage, over current, over temperature	
Operating conditions		
Ambient temperature	-20 °C ... +50 °C	
Fitting and construction		
Cable length battery / AC	1,5 m / 1,5 m	
Cable cross-section battery / AC	16 mm ² / 1,5 mm ²	
Degree of protection	IP 20	
Dimensions (X x Y x Z)	212 x 395 x 130 mm	
Weight	6,6 kg	9 kg

Technical data at 25 °C / 77 °F

