

# Steca Solarix PI

550, 550-L60, 600, 600-L60, 1100, 1100-L60,  
1200, 1200-L60

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 the Steca Tarom with a Steca PAX4 parallel switch box
- 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

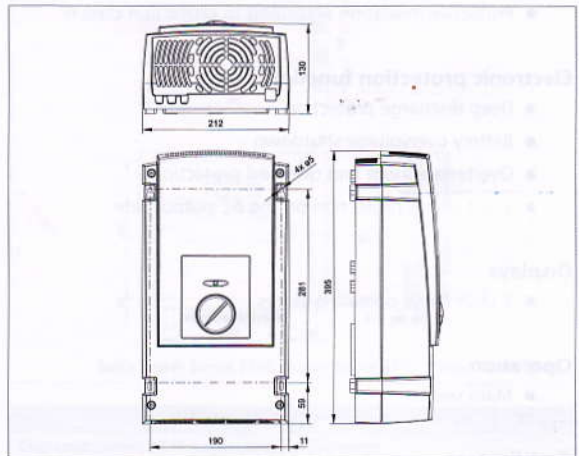
- Multi-coloured LED shows operating states

## 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



300

	550	550-L60	600	600-L60	1100	1100-L60	1200	1200-L60
<b>Characterisation of the operating performance</b>								
System voltage	12 V		24 V		24 V		48 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			
<b>DC input side</b>								
Battery voltage	10.5 V ... 16 V		21 V ... 32 V		21 V ... 32 V		42 V ... 64 V	
Reconnection voltage (LVR)	12.5 V		25 V		25 V		50 V	
Deep discharge protection (LVD)	current driven or by Tarom							
<b>AC output side</b>								
Output voltage	230 V AC +/-10 %	115 V AC +/-10 %	230 V AC +/-10 %	115 V AC +/-10 %	230 V AC +/-10 %	115 V AC +/-10 %	230 V AC +/-10 %	115 V AC +/-10 %
Output frequency	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Load detection (standby)	adjustable: 2 W ... 50 W							
<b>Safety</b>								
Protection class	II (double insulated)							
Electrical protection	reverse polarity battery, reverse polarity AC, over voltage, over current, over temperature							
<b>Operating conditions</b>								
Ambient temperature	-20 °C ... +50 °C							
<b>Fitting and construction</b>								
Cable length battery / AC	1.5 m / 1.5 m							
Cable cross-section battery / AC	16 mm <sup>2</sup> / 1,5 mm <sup>2</sup>							
Degree of protection	IP 20							
Dimensions (X x Y x Z)	212 x 395 x 130 mm							
Weight	6.6 kg				9 kg			