SINE WAVE INVERTERS

Steca Solarix PI

500-12, 550-24, 1100-24, 1500-48

The new generation of sine wave inverters, Steca Solarix PI, demonstrates robustness. Existing safety features have also been made more customer-friendly and robust. The new generation of the Steca Solarix PI possess different technical properties to predecessor models and may not be suitable to replace these.

In developing the Solarix PI sine wave inverter, KATEK Memmingen has brought about some innovations. In particular these include the ability to connect all Steca Solarix PI models in parallel, the innovative operating concept using a single rotary switch and the electronic fuse. Furthermore, 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.

The power of the new generation Steca Solarix PIs is only extensible with the new parallel connection box Steca PA Link1. Mixing older generation Steca Solarix PIs and new generation Steca Solarix PIs is not possible.

Product features
- True sine wave voltage
- 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)

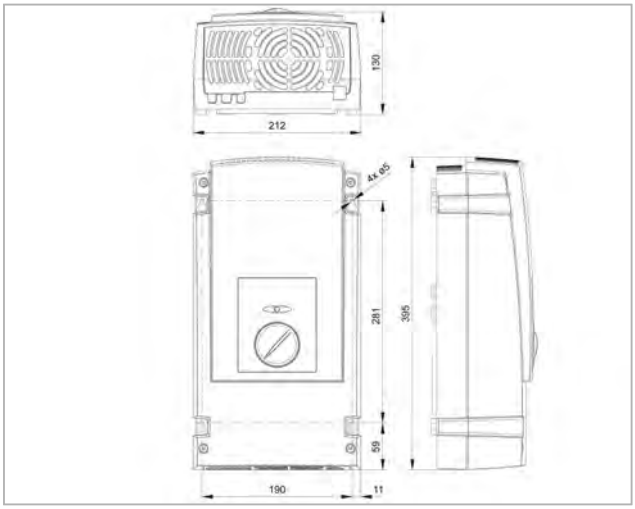
Electronic protection functions
- Deep discharge protection
- Battery overvoltage shutdown
- Short circuit protection
- Reverse polarity protection
- Overtemperature and overload protection
- Automatic electronic fuse

Displays
- Multi-coloured LED shows operating states

Operation
- Main switch
- Adjustable load detection

Options
- Type with 230 V / 60 Hz
- Type with 115 V / 60 Hz

Certificates
- Made in EU
- Manufactured according to ISO 9001 and ISO 14001



 KATEK Memmingen GmbH | Mammostraße 1 | 87700 Memmingen | Germany | info@steca.de | www.steca.de

	500-12	550-24	1100-24	1500-48
Inverter type		PI 550-24	PI 1100-24	PI 1500-48
Number of inverters / Steca PA Link1		1 / 0	1 / 0	1 / 0
Characterisation of the operating performance				
System voltage	12 V	24 V	24 V	48 V
Continuous power	450 VA	450 VA	900 VA	900 VA
Power 30 min.	500 VA	550 VA	1100 VA	1500 VA
Power 5 sec.	500 VA	1000 VA	1400 VA	2800 VA
Max. efficiency	93 %	93 %	94 %	94 %
Own consumption standby	0.5 W	0.5 W	0.7 W	0.7 W
Own consumption ON	6.0 W	6.0 W	10.0 W	10.0 W
DC input side				
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	25.0 V	25.0 V	50.0 V
Deep discharge protection (LVD)	10.5 V	21.0 V	21.0 V	42.0 V
AC output side				
Output voltage	230 V AC ±10 %			
Output frequency	50 Hz			
Load detection (standby)	adjustable: 2 W ... 50 W			
Safety				
Protection 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 mm² / 1.5 mm²			
Degree of protection	IP 20			
Dimensions (X x Y x Z)	212 x 395 x 130 mm			
Weight	6,6 kg	6,6 kg	9 kg	9 kg

- Deep discharge protection (LVD) adjustable via charge controller together with compatible parallel switch box
- Dimensions and weight per inverter