

## 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, Steca 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

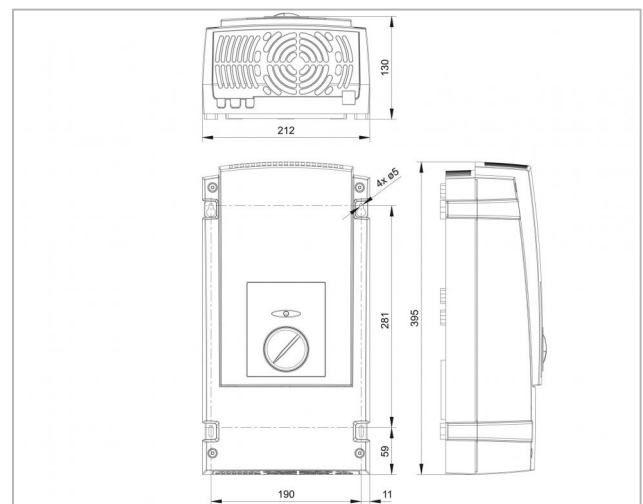
- Main switch
- Adjustable load detection

### Options

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

### Certificates

- Compliant with European Standards (CE)
- RoHS compliant
- Made in EU
- Manufactured according to ISO 9001 and ISO 14001



|                                                      | 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         |
| <b>Characterisation of the operating performance</b> |                 |               |               |               |
| 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        |
| <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          | 25.0 V        | 25.0 V        | 50.0 V        |
| Deep discharge protection (LVD)                      | 10.5 V          | 21.0 V        | 21.0 V        | 42.0 V        |

