



## Steca Xtender XTH 8000 - 48

The basic functions of the combined inverters Steca Xtender are the inverter, the battery charger, the switching function and the support of external sources of alternating current. These functions can be combined and controlled fully automatically. The inverters offer outstanding user-friendliness and very good exploitation of the energy available.

All the settings of the Steca Xtender can be remote controlled. When a software with new functions is available, it can be loaded into the system, so the Steca Xtender always stays up to date. Several Steca Xtender can be connected in parallel or to form a three-phase system. That means that up to nine Steca Xtender can work together.



Steca Xtender XTH

XTH 8000-48	
Characterisation of the operating performance	
System voltage	48 V
Continuous power	7,000 VA
Power 30 min.	8,000 VA
Power 5 sec.	21 kVA
Max. efficiency	96 %
Own consumption standby / ON	2.4 W / 30 W
Power Factor Correction (PFC)	according EN 61000-3-2
Acoustic level	< 40 dB / < 45 dB (without / with ventilation)
Input side	
Input voltage	< 265 V AC (adjustable: 150 V AC ... 265 V AC)
Charging current adjustable	0 A ... 120 A
Max. current on transfer system	50 A
Input frequency	45 Hz ... 65 Hz
Battery side	
Battery voltage	38 V ... 68 V
AC output side	
Output voltage	230 V AC +/-2 % / 190 V AC ... 245 V AC (true sine wave) / 120 V AC <sup>1)</sup>
Output frequency	50 Hz, adjustable: 45 Hz ... 65 Hz +/-0.05 % (crystal controlled)
Total harmonic distortion	< 2 %
Load detection (standby)	2 W ... 25 W
Operating conditions	
Ambient temperature	-20 °C ... +55 °C
Fitting and construction	
Power Smart-Boost 30 min.	8,000 VA
Input current balance adjustment	1 A ... 50 A
Multifunction contact adjustable	2 independent contacts 16 A / 250 V AC (potential free change-over contacts)
Degree of protection	IP 20
Dimensions (X x Y x Z)	300 x 497 x 250 mm
Weight	46 kg
Cooling principle	fan from 55 °C
Parallel connection possible	3 x 1 phase and three-phase

<sup>1)</sup> Steca Xtender XTS in conjunction with ECF-01

Technical data at 25 °C / 77 °F

<sup>2)</sup> Special version, please note on order.

### Product features

- True sine wave voltage
- Excellent overload capabilities
- Optimal battery protection
- Adjustable integrated battery charger
- Multistage programmable battery charger with PFC
- Automatic load detection
- Standby load detection adjustable over a wide range, starting from a low value
- Parallel connectable
- Best reliability
- Can be used as a back-up system or uninterruptible power supply (UPS)
- Multifunction contact
- Adjustable power sharing
- Reliable and noiseless with any kind of load
- Support of sources of alternating current (Smart Boost)
- Automatic support for peak loads (Power Shaving)
- Ultra-fast transfer relay
- High efficiency
- 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 by internal fuse (except Steca Xtender XTH 3000)
- Acoustic alarm at deep discharge or overheating

### Displays

- 5 LEDs show operating states
- for operation, fault messages

### Operation

- Main switch
- Adjustable load detection

### Options

- Type with 115 V / 60 Hz (except Steca Xtender XTH 8000-48)
- Model with protective lacquered mainboard

### Certificates

- Compliant with European Standards (CE)
- RoHS compliant

### Steca- accessories

- Remote control and display Steca RCC-02/03
- Additional accessories on request:
  - Prewired mounting structure Steca X-Connect-System,
  - Battery temperature sensor Steca BTS-01,
  - Integrated cooling unit ECF-01, Current Sensor BSP-500/1200,
  - Communications cable, Connection to the three-phase system / parallel connection CAB-RJ45-2

