

Steca Xtender

Combination of inverter and battery charger with switching function

The basic functions of the Steca Xtender combi inverters are the inverter, the battery charger, the switching function and the support of external AC sources. These functions can be combined and controlled completely automatically. The inverters offer exceptional ease of use and very good utilisation of the available energy.

The Steca Xtender can be fully adjusted via remote control. When software with new functions becomes available, it can be transferred to the system, allowing the Steca Xtender is always stay up to date. Several Steca Xtenders can be connected together in parallel and three-phase. This allows up to nine Steca Xtenders to work together.

Multifunctional contacts

These potential-free contacts can be programmed for many different applications. You can react to any event outside or inside the inverter (grid availability, battery voltage, fault messages, etc.). They can also be programmed as timers or switched during certain times (at night, at weekends, etc.). This means that they can serve as a generator starting device, to switch off less important consumers, to indicate a malfunction, to charge the battery depending on the situation, etc.

Smart-boost function

The Smart-boost function can be used to increase the power of another AC source, such as a generator or charging port. Even if this involves special loads (inductive, asymmetrical, with high switch-on current). You can also combine the Steca Xtender with almost any existing inverter to increase the available power.



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
- Short circuit protection
- Overtemperature and overload 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

Operation

- Main switch
- Adjustable load detection

Options

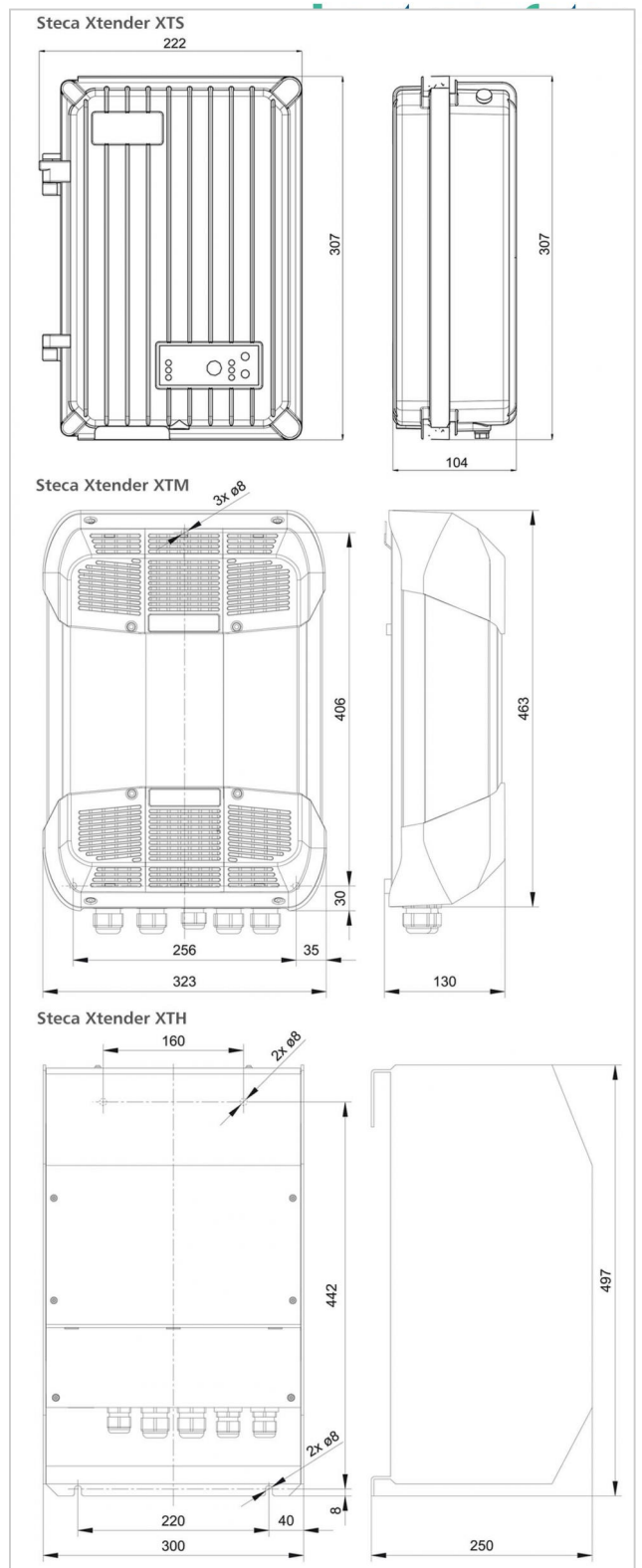
- Type with 115 V / 60 Hz (except Steca Xtender XTH 8000-48)
- Model with protective lacquered mainboard

Certificates

- Compliant with European Standards (CE)
- RoHS compliant
- Made in Europe

Accessories

- Remote control and display Steca RCC-02
- Remote control and display Steca RCC-03
- Steca X-Connect system
- Battery temperature sensor Steca BTS-01
- Integrated cooling unit ECF-01
- Communications cable
- Steca BSP-500/1200



	XTS 900-12	XTS 1200-24	XTS 1400-48
Characterisation of the operating performance			
System voltage	12 V	24 V	48 V
Continuous power	500 VA	650 VA	750 VA
Continuous power (with ECF-01)	650 VA	800 VA	900 VA
Power 30 min.	700 VA	1000 VA	1200 VA
Power 30 min. (with ECF-01)	900 VA	1200 VA	1400 VA
Power 5 sec.	2300 VA	2500 VA	2800 VA
Max. efficiency		93 %	
Own consumption standby	1.4 W	1.5 W	1.6 W
Own consumption ON	7.0 W	8.0 W	8.0 W
Power Factor Correction (PFC) according		EN 61000-3-2	
Acoustic level without ventilation		40 dB	
Acoustic level with ventilation		45 dB	
Input side			
Input voltage	< 265 V AC (adjustable: 150 V AC ... 265 V AC)		
Charging current adjustable 0 A ...	35 A	25 A	12 A
Max. current on transfer system		16 A	
Input frequency		45 Hz ... 65 Hz	
AC output side			
Output voltage	230 V AC $\pm 2\%$ / 190 V AC ... 245 V AC (true sine wave) / 120 V AC (special version, please note on order)		
Output frequency	50 Hz, adjustable: 45 Hz ... 65 Hz $\pm 0.05\%$ (crystal controlled)		
Total harmonic distortion	< 2 %		
Load detection (standby)	2 W ... 25 W		
Battery side			
Battery voltage	9.5 V ... 17 V	19 V ... 34 V	38 V ... 68 V
Operating conditions			
Ambient temperature	-20 °C ... +55 °C		
Fitting and construction			
Power Smart-Boost 30 min.	900 VA	1200 VA	1400 VA
Input current balance adjustment		2 A ... 16 A	
Multifunction contact adjustable	2 independent contacts 16 A / 250 V AC (potential free change-over contacts)		
Degree of protection	IP 54		
Dimensions (X x Y x Z)	222 x 307 x 104 mm		
Weight	8,2 kg	9 kg	9,3 kg
Cooling principle	convection		
Parallel connection possible	3 x 1 phase and three-phase		
	XTM 1500-12	XTM 2000-12	XTM 2400-24
Continuous power	1500 VA	2000 VA	2000 VA
Power 30 min.	1500 VA	2000 VA	2400 VA
System voltage	12 V	12 V	24 V
Power 5 sec.	3400 VA	4800 VA	6000 VA
Max. efficiency	93 %	93 %	94 %
Own consumption standby	1.4 W	1.4 W	1.6 W
Own consumption ON	8.0 W	10.0 W	9.0 W
Power Factor Correction (PFC) according		EN 61000-3-2	
Acoustic level without ventilation		40 dB	
Acoustic level with ventilation		45 dB	
Input voltage	< 265 V AC (adjustable: 150 V AC ... 265 V AC)		
Charging current adjustable 0 A ...	70 A	100 A	55 A
Max. current on transfer system		50 A	
Input frequency		45 Hz ... 65 Hz	
Battery voltage	9.5 V ... 17 V	9.5 V ... 17 V	19 V ... 34 V
Output voltage	230 V AC $\pm 2\%$ / 190 V AC ... 245 V AC (true sine wave) / 120 V AC (special version, please note on order)		
Output frequency	50 Hz, adjustable: 45 Hz ... 65 Hz $\pm 0.05\%$ (crystal controlled)		
Total harmonic distortion	< 2 %		
Load detection (standby)	2 W ... 25 W		
Ambient temperature	-20 °C ... +55 °C		
Power Smart-Boost 30 min.	1500 VA	2000 VA	2400 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)	323 x 463 x 130 mm		
Weight	15 kg	18,5 kg	16,2 kg
Cooling principle	fan from 55 °C		
Parallel connection possible	3 x 1 phase and three-phase		
	XTH 3000-12	XTH 5000-24	XTH 6000-48
Continuous power	2500 VA	4500 VA	5000 VA
Power 30 min.	3000 VA	5000 VA	6000 VA
System voltage	12 V	24 V	48 V
Power 5 sec.	7500 VA	12000 VA	15000 VA
Max. efficiency	93 %	94 %	96 %
Own consumption standby	1.4 W	1.8 W	2.2 W
Own consumption ON	14.0 W	18.0 W	22.0 W
Power Factor Correction (PFC) according		EN 61000-3-2	
Acoustic level without ventilation		40 dB	
Acoustic level with ventilation		45 dB	
Input voltage	< 265 V AC (adjustable: 150 V AC ... 265 V AC)		
Charging current adjustable 0 A ...	160 A	140 A	100 A
Max. current on transfer system		50 A	

