



Xtender XTH

3,000 - 8,000 W

The serie Xtender offers a new function, the Smart-Boost, which enables to add the inverter power to another source, like for instance a genset or the shorepower, even in case of asymmetric loads. It is also possible to add an Xtender to almost any other existing inverter in order to increase the power available.

The products of the Xtender-Series provide an unmatched freedom of use, thanks to their many functions. In a basic application, they offer together the functions of inverter, battery charger, transfersystem and assistance to the source.

These functions can be combined and controlled in a totally automatic way for an exceptional comfort and an optimal management of the available energy.

By the implementation of several units, it is possible to create a 3-phase source or to set them in parallel to increase the power available. Up to 9 inverters of the serie Xtender shall therefore be combined together.

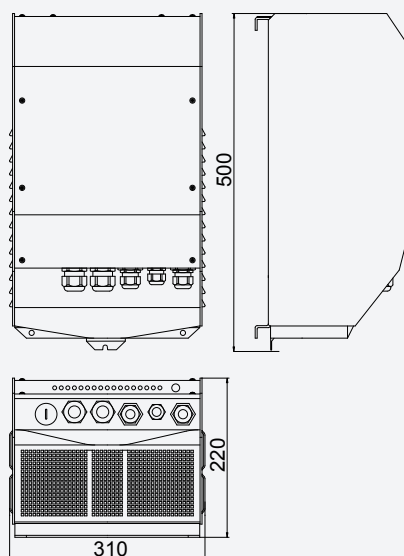
The programmable auxiliary contacts allow as well the interconnection with existing systems or the implementation of extended functions. Fully programmable by means of its remote control, it enables the update of the software, making it an upgradeable product.

Multifunctional contacts

The potential free contacts can be programmed to provide many supplementary functions.

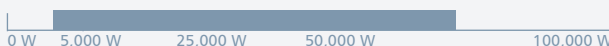
They can react to each event, inside or outside of the inverter (presence of the grid, battery thresholds, alarm signal). The contacts can also be programmed as time switch or can be disabled during sensitive periods (night, weekend). They allow therefore the implementation of functions like the automatic start of gensets, the automatic disconnection of second priority users, the alarm signal, the conditional charge of the battery, etc.

Technical data



Power class

3,000 W - 72,000 W



Function Smart-Boost

The function Smart-Boost enables to add the inverter power to another source, like for instance a genset or the shorepower, even in case of asymmetric loads. It is possible to add an Xtender to almost any other existing inverter in order to increase the power available.

Features

- Possibility to connect up to 3 Xteners in parallel
- Three-phase systems with up to 9 Xteners
- True sine wave voltage
- Reliable and noiseless with any kind of load
- Outstanding overload capabilities
- Function Smart-Boost for assistance to the source even with difficult loads
- Automatic reduction of peak loads (power shaving)
- Automatic allocation of the power available (power sharing)
- Standby level adjustable over a large range and from a very low threshold
- Multi-stage programmable 4 STEP battery charger with PFC
- Ultra-fast transfer relay
- High efficiency
- Ultra-fast regulation
- Control by digital signal processors (DSP)
- Full internal protection.

Model	XTH 3000-12	XTH 5000-24	XTH 6000-48	XTH 8000-48
Inverter				
Nominal battery voltage	12 V	24 V	48 V	48 V
Input voltage range	9.5 - 17 V	19 - 34 V	38 - 68 V	38 - 68 V
Continuous power @ 25 °C	2500 VA	4000 VA	5000 VA	7000 VA
Power Smart-Boost	2500 VA	4000 VA	5000 VA	7000 VA
Power 30 min. @ 25 °C	3000 VA	5000 VA	6000 VA	8000 VA
Power 5 sec. @ 25 °C	3 x P _{nom}			
Load detection (standby)	2 to 25 W			
Cos φ	0.1 - 1			
Max. efficiency	93 %	94 %	96 %	96 %
Consumption OFF/standby/ON	1.7 W / 2.2 W / 14 W	1.8 W / 2.5 W / 20 W	2.2 W / 3 W / 22 W	2.2 W / 3.8 W / 34 W
Output voltage	230 Vac (- 10 % / 0)			
Output frequency	50 / 45-65 Hz +/- 0.05 % (crystal controlled)			
Harmonic distortion	< 2 %			
Overload and short-circuit protection	Automatic disconnection with 3 time restart attempt			
Overheat protection	Warning before shut-off - with automatic restart			
Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)				
Charging current adjustable	0 - 160 A	0 - 140 A	0 - 100 A	0 - 120 A
Input current balance adjustment	1 - 30 A			1 - 50 A
Max. input voltage	265 Vac			
Input AC voltage range	Adjustable threshold from 150 to 230 Vac			
Input frequency	45 - 65 Hz			
Power Factor Correction (PFC)	Yes, according to EN 61000-3-2			
General data				
Multifunction contact adjustable	2 independent contacts 16 A 250 Vac (potential free 3 points)			
Max. current on transfer relay	30 A / 6.9 kVA			50 A / 11.5 kVA
Weight	34 kg	40 kg	42 kg	46 kg
Dimension h x w x l [mm]	220 x 290 x 500			220 x 310 x 500
Protection index	IP 23			
Operating temperature range	-20 °C to 55 °C			
Ventilation	Forced from 45 °C			
Acoustic level	< 10 dB / < 35 dB (with / without ventilation)			

Xtender Accessories



Remote control and programming centre RCC-03

Thanks to its graphic display it provides many understandable indications on the state of the system.

The remote control memorises and displays the events that occurred on an installation and so it does anticipate the problems that might appear.

It gives access to the many adjustable parameters of the Xtender like the setting of the charge curve of the battery, the programming of the auxiliary relays or even, among others, to a lot of operation options.

A place is dedicated to a SD card which will allow the parameters memorising, the data transfer or the software update.

Kabel for RCC-02 and RCC-03:

CAB-RJ45-5 (5 m), CAB-RJ45-20 (20 m),
CAB-RJ45-50 (50 m)

Battery temperature sensor BTS-01

This sensor enables to accurately adapt the charge thresholds to the battery temperature.

Communication cable for 3ph and parallel CAB-RJ45-2 (2 m)

Allows the setting in parallel or the implementation of a 3-phase system even when only a single-phase source is available.