



XTS

3 new members of the Xtender family
soon available
(Q1 / 2011)



Sine wave inverter-chargers

XTS 1000-12 : 1000W/12V/35A

XTS 1200-24 : 1200W/24V/20A

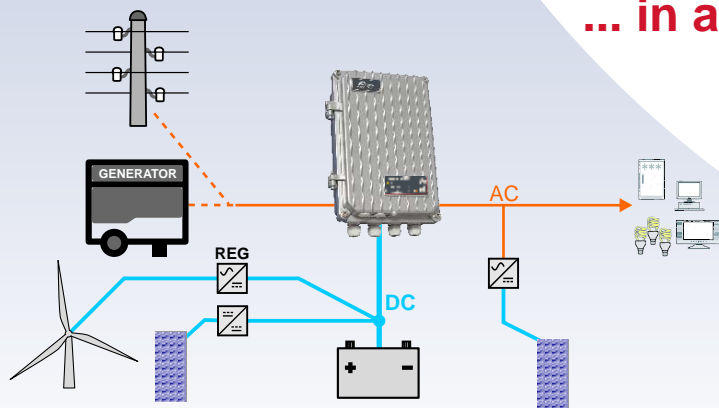
XTS 1400-48 : 1400W/48V/10A

All Xtender functionalities + IP 54 enclosure... and more

- Efficiency max. 96% from 15 to 100% load
- Main functions directly programmable.
- Fully programmable thru RCC-02/-03.
- Full reverse polarity protected (no fuse)
- Automatic allocation of the available power.
- Multi-stage adjustable PFC battery charger.
- Load phase shift compensation possible.
- Load and peak power shaving with Smartboost.
- Ready for DC or AC bus (frequency shift).
- Upgradable and pre-configurable system
- Event log and data log record.*
- Programmable multifunction contacts*.
- Improved performance with additional cooling.*
- Battery temperature compensation.*
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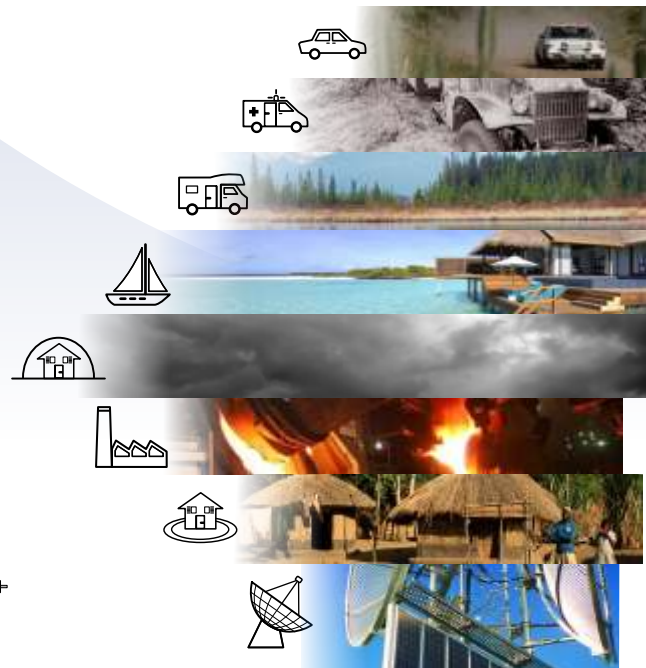
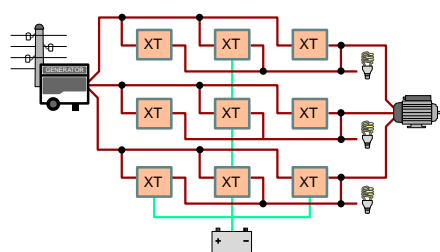
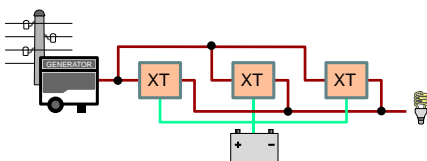
* : with optional accessory

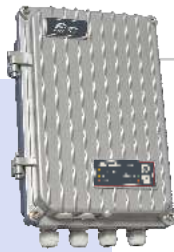
Ready for any application,
ground based ... or mobile...
... in any environment



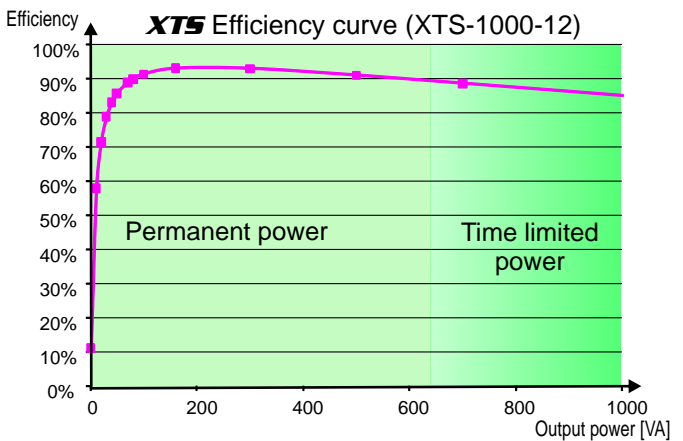
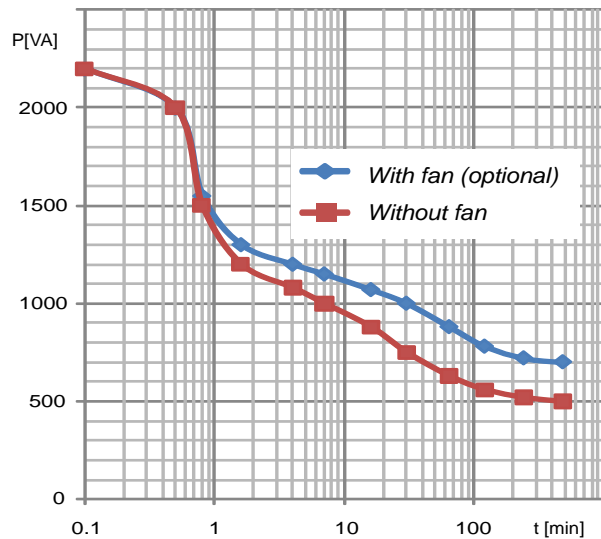
Parallel setting of 3 units

3 XTS in // on 3 phases





XTS output power graph (XTS-1000-12)



Model	XTS	1000-12	1200-24	1400-48
Inverter (factory setting)				
Nominal battery voltage		12V	24V	48V
Input voltage range		9.5 - 17V	19 - 34V	38 - 68V
Pcontinuous @ 25°C with/without fan		650/500VA	800/650VA	900/700VA
Power 30 min. @ 25°C / with/without fan		1000/750VA	1200/900VA	1400/1000VA
Power 3 sec. @ 25°C		2300VA	2500VA	2800VA
Pcont. derating with/without fan		-2% / -3% /°C from 25 to 55°C		
Maximum load		Up to short-circuit		
Maximum asymmetric load		Up to Pcont.		
Load detection (stand-by)		2 to 25 W		
Cos Phi		0.1-1		
Maximum / Pnom efficiency		93/90%	93/91%	93/92%
Consumption OFF/Stand-by/ON		1.1W/1.4W/7W	1.2W/1.5W/8W	1.3W/1.6W/8W
Output voltage*		Sine wave 230Vac*** (+/- 2%)		
Output frequency*		50Hz / 60Hz +/- 0.05%		
Harmonic distortion		<2%		
Dynamic behaviour		0.5 ms (on load change 0 to 100%)		
Overload and short-circuit protection*		Automatic disconnection		
Overheat protection*		Pre-warning + automatic restart		
Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)				
Charging current ** [Aac]		0 - 35A	0 - 20A	0 - 10A
Input current limit** [Aac]		2-16A		
Source assistance**(Smat boost)		Up to power output limit		
Input AC voltage range* + ***		Adjustable threshold from 150 to 265Vac		
Input frequency		45 - 65Hz		
Power Factor Correction (PFC)		EN 61000-3-2		
Absorption end*		By duration 2 h or by current****		
Absorption voltage*		14.4 V	28.8V	57.6V
Periodic absorption voltage*		****		
Floating voltage*		13.6 V	27.2 V	54.4V
Reduced floating voltage*		****		
Equalization*		**** (By number of cycles or at set interval)		
Deep-discharge protection*		96% Unom with current compensation		
Reduced floating time*		****		
Periodic absorption time*		****		
Temp. compensation* (option BTS-01)		-5°C/Cell (only with option BTS-01)		
General data				
Max. current on transfer relay		16A		
Transfer time		15ms (max in UPS mode**)		
Weight		8,2kg	9 kg	9.3 kg
Dimension H x W x L [mm]		110 x 210 x 310		
Protection index		IP 54 (according to DIN 40050)		
Conformity to EC directive		LVD: 2006/95 /EC - EMC 2004/108/EC		
Operating temperature range		-20 to 55°C		
Relative humidity in operation		100%		
Ventilation		External added option (from 50°C)		
Accoustic level (without/with ventilation)		<40dB / <45dB		
Warranty		2 years		

Note:

* : Factory value. Can be modified with RCC-02/03
 ** : Value or function directly adjustable on the unit
 *** : 120Vac model available
 **** : Not factory activated. Can be modified and/or activated with RCC-02/03

Accessories and options



Remote control and programming centre with 2 m cable
RCC-02 : for display, programming, updates and data logging
RCC-02-32 : same functions as RCC-02, with RS 232 interface
 Wall mounting. Dimensions H x W x L : 170 x 168 x 43.5 mm.



Remote control and programming centre with 2 m cable
RCC-03 : for display, programming, updates and data logging
RCC-03-32 : same functions as RCC-02, with RS 232 interface
 Panel mounting. Dimensions H x W x L : 130 x 120 x 42.2 mm.



Battery temperature sensor BTS-01 with 3 m cable
 This sensor enables to adapt the battery voltage to temperature.
 Dimensions : H x W x L : 58 x 51.5 x 22 mm.



RCM-10: Remote Control Module with 3 m cable
 DIN rail remote module for main on/off and command entry
 Dimensions : H x W x L : 45 x 73 x 45 mm.



ARM-02: Auxiliary relay Module with 3 m cable
 DIN rail remote module with 2 x 16Amps auxiliary relay
 Dimensions : H x W x L : 45 x 73 x 45 mm.



TCM-01: Time and communication module
 Communication and real time clock card (required to use the RCC, RCM-10 and/or ARM-02 module). To be mounted inside the unit.



ECF-01: IP 54 cooling module
 External cooling unit for improved performance.
 To be mounted outside (on top) of the unit.