

## XTH Series Pure Sinewave Inverter/Charger

### FEATURES

- True sinewave voltage
- Reliable and silent with any kind of load
- Outstanding overload capabilities
- Function Smart-Boost for assistance to the source even with difficult load
- Automatic reduction of peak loads (power saving)
- Automatic allocation of the power available (power sharing)
- Stand-by 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
- Advanced microprocessor
- Control by digital signal processors (DSP)
- Full internal protections
- 2 year warranty



**5000 WATTS**

### TECHNICAL SPECIFICATIONS

Model	XTH 5000-24
<b>Inverter (factory setting/range adjustable with RCC-02 or RCC-03)</b>	
Nominal Battery Voltage	24 V
Input Voltage Range	19 - 34V
Continuous Power @ 25°C	4500VA
Power 30 Min. @ 25°C	5000VA
Power 5 Sec. @ 25°C	12kVA
Power Smart-Boost 30 Min. @ 25°C	4500VA
Maximum Load	Up to short-circuit
Maximum Asymmetric Load	Up to Pcont.
Load Detection (Stand-by)	2 to 25 W
Cos Ø	0.1-1
Maximum Efficiency	94%
Consumption OFF/Stand-by/ON	1.4W/1.8W/18W
Output Voltage	Sine wave 230Vac (+/- 2%) / 190-245Vac (also available in 120Vac )
Output Frequency	50Hz/60Hz (-01) adjustable 45-65Hz +/- 0.05% (crystal controlled)
Harmonic Distortion	<2%
Dynamic Behaviour	0.5 ms (on load change 0 to 100%)
Overload And Short-Circuit Protection	Automatic disconnection with 3 time restart attempt
Overheat Protection	Warning before shut-off - with automatic restart
<b>Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)</b>	
Charging Current Adjustable	0 - 140A
Input Current Balance Adjustment	1 - 50A
Maximum Input Voltage	265Vac / 150Vac (-01)
Input AC Voltage Range	Adjustable threshold from 150 to 265Vac / 50 to 140Vac (-01)
Input Frequency	45 - 65Hz
Power Factor Correction (PFC)	EN 61000-3-2
<b>Battery control (factory setting/range adjustable with RCC-02 or RCC-03)</b>	
Absorption End	By duration 2 / 0.25 - 10 h or by current - / 4 - 30A

## TECHNICAL SPECIFICATIONS

Absorption Voltage	28.8 / 19 - 34V
Periodic Absorption Voltage	- / 19 - 34V
Floating Voltage	27.2 / 19 - 34V
Reduced Floating Voltage	- / 19 - 34V
Equalization	By number of cycles ( - / 1 - 100) or at set interval ( - / 52 weeks)
Equalization End	By duration 4 / 0.25 - 10 h or by current - / 4 - 30A
Equalization Voltage	- / 19 - 34V
Deep-Discharge Protection	21.6 / 19 - 34V
Reduced Floating Time	- / 0 - 32 days
Periodic Absorption Time	- / 0 - 10 hours
Temp. Compensation	-5/0 to -8mV/°C/Cell (only with option BTS-01 or BSP 500/1200)
<b>General data</b>	<b>XTH 5000-24</b>
Multifunction Contact Adjustable	2 independent contacts 16 A/240Vac, 20 A-24 Vdc / 16A/140Vac (01)(potential free 3 points)
Max. Current On Transfer Relay	50A
Transfer Time	<15ms
Weight	40 Kgs
Dimension (HxWxL)	230x300x500 mm
Protection Index	IP20
Conformity	EN 61000-6-1, EN 61000-6-3, EN 55022, EN 61000-3-2, Dir. 89/336/EEC, LVD 73/23 EEC
Operating Temperature Range	-20 to 55°C
Relative Humidity In Operation	95% without condensation
Ventilation	Forced from 55°C
Acoustic Level	<40dB/ <45dB (without/with ventilation)
<b>Options</b>	
Remote Control RCC-02 Or RCC-03	•
Comm.Cable For 3ph And//CAB-RJ45-8-2	•
Battery Temp. Sensor BTS-01 (3m)	•
Battery Status Processor (BSP)	•

Technical Specifications subject to change without notification