

XTS 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



1400 WATTS

TECHNICAL SPECIFICATIONS

Model	XTS 1400-48
Inverter (factory setting/range adjustable with RCC-02 or RCC-03)	
Nominal Battery Voltage	48 V
Input Voltage Range	38 - 68V
Continuous Power @ 25°C	900/700VA
Power 30 Min. @ 25°C with/without fan	1400/1000VA
Power 3 Sec. @ 25°C with/without fan	2800VA
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/Pnom Efficiency	94/92%
Consumption OFF/Stand-by/ON	1.3W/1.6W/8W
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
Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)	
Charging Current Adjustable	0 - 10A
Input Current Balance Adjustment	2 - 16A
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
Battery control (factory setting/range adjustable with RCC-02 or RCC-03)	
Absorption End	By duration 2h or by current

TECHNICAL SPECIFICATIONS

Absorption Voltage	57.6 / 38 - 68V
Periodic Absorption Voltage	- / 38 - 68V
Floating Voltage	54.4 / 38 - 68V
Reduced Floating Voltage	- / 38 - 68V
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
Equalization Voltage	- / 38 - 68V
Deep-Discharge Protection	43.2 / 38 - 68V
Reduced Floating Time	- / 0 - 32 days
Periodic Absorption Time	- / 0 - 10 hours
Temp. Compensation (option BTS-01)	-5/0 to -8mV/°C/Cell (only with option BTS-01)
General data	XTS 1400-48
Multifunction Contacts	Module ARM-02 with 2 contacts (option)
Max. Current On Transfer Relay	16A
Transfer Time	<15ms
Weight	9,3 Kgs
Dimension (HxWxL)	110x210x310 mm
Protection Index	IP54
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	100%
Ventilation	External added option (from 50°C)
Acoustic Level	<40dB/ <45dB (without/with ventilation)
Options	
Remote Control RCC-02 Or RCC-03	•
Comm.Cable For 3ph And//CAB-RJ45-8-2	•
Battery Temp. Sensor BTS-01 (3m)	•
Battery Temp. Status Processor	•
ECF-01 Cooling Module	•

Technical Specifications subject to change without notification