

Technical sheets

Xtender series



Model	XTM 1500-12	XTM 2000-12	XTM 2400-24	XTM 2600-48	XTH 3000-12	XTM 3500-24	XTM 4000-48	XTH 5000-24	XTH 6000-48	XTH 8000-48
Inverter (factory setting/range adjustable with RCC-02 or RCC-03)										
Nominal battery voltage	12V		24V	48V	12V	24V	48V	24V	48V	
Input voltage range	9.5 - 17V		19 - 34V	38 - 68V	9.5 - 17V	19 - 34V	38 - 68V	19 - 34V	38 - 68V	
Continuous power @ 25°C	1500VA	2000VA		2500VA		3000VA	3500VA	4500VA	5000VA	7000VA
Power 30 min. @ 25°C	1500VA	2000VA	2400VA	2600VA	3000VA	3500VA	4000VA	5000VA	6000VA	8000VA
Power 5 sec. @ 25°C	3.4kVA	4.8kVA	6kVA	6.5kVA	7.5kVA	9kVA	10.5kVA	12kVA	15kVA	21kVA
Power Smart-Boost 30 min. @ 25°C	1500VA	2000VA	2400VA	2600VA	3000VA	3500VA	4000VA	5000VA	6000VA	8000VA
Maximum load	Up to short-circuit									
Maximum asymmetric load	Up to Pcont.									
Load detection (stand-by)	2 to 25 W									
Cos φ	0.1-1									
Maximum efficiency	93%		94%	96%	93%	94%	96%	94%	96%	
Consumption OFF/Stand-by/ON	1.2W/1.4W/8W	1.2W/1.4W/10W	1.4W/1.6W/9W	1.8W/2W/10W	1.2W/1.4W/14W	1.4W/1.6W/12W	1.8W/2.1W/14W	1.4W/1.8W/18W	1.8W/2.2W/22W	1.8W/2.4W/30W
Output voltage	Sine wave 230Vac (+/- 2%) / 190-245Vac (also available in 120Vac except for the XTH 8000-48)									
Output frequency	50 Hz 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 - 70A	0 - 100A	0 - 55A	0 - 30A	0 - 160A	0 - 90A	0 - 50A	0 - 140A	0 - 100A	0 - 120A
Input current balance adjustment	1 - 50A									
Maximum input voltage	265Vac									
Input AC voltage range	Adjustable threshold from 150 to 230Vac (also available in 120Vac except for the XTH 8000-48)									
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 2 / 0.25 - 10 h or by current - / 4 - 30A									
Absorption voltage	14.4 / 9.5 - 17V	28.8 / 19 - 34V	57.6 / 38 - 68V	14.4 / 9.5 - 17V	28.8 / 19 - 34V	57.6 / 38 - 68V	28.8 / 19 - 34V	57.6 / 38 - 68V	57.6 / 38 - 68V	
Periodic absorption voltage	- / 9.5 - 17V	- / 19 - 34V	- / 38 - 68V	- / 9.5 - 17V	- / 19 - 34V	- / 38 - 68V	- / 19 - 34V	- / 38 - 68V	- / 38 - 68V	
Floating voltage	13.6 / 9.5 - 17V	27.2 / 19 - 34V	54.4 / 38 - 68V	13.6 / 9.5 - 17V	27.2 / 19 - 34V	54.4 / 38 - 68V	27.2 / 19 - 34V	54.4 / 38 - 68V	54.4 / 38 - 68V	
Reduced floating voltage	- / 9.5 - 17V	- / 19 - 34V	- / 38 - 68V	- / 9.5 - 17V	- / 19 - 34V	- / 38 - 68V	- / 19 - 34V	- / 38 - 68V	- / 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 - / 4 - 30A									
Equalization voltage	- / 9.5 - 17V	- / 19 - 34V	- / 38 - 68V	- / 9.5 - 17V	- / 19 - 34V	- / 38 - 68V	- / 19 - 34V	- / 38 - 68V	- / 38 - 68V	
Deep-discharge protection	10.8 / 9.5 - 17V	21.6 / 19 - 34V	43.2 / 38 - 68V	10.8 / 9.5 - 17V	21.6 / 19 - 34V	43.2 / 38 - 68V	21.6 / 19 - 34V	43.2 / 38 - 68V	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										
Multifunction contact adjustable	2 independent contacts 16A 250Vac (potential free 3 points)									
Max. current on transfer relay	50A									
Transfer time	<15ms									
Weight	15 kg	18.5 kg	16.2 kg	34 kg	21.2 kg	22.9 kg	40 kg	42 kg	46 kg	
Dimension hxlxL [mm]	133x322x466				230x300x500		133x322x466		230x300x500	
Protection index	IP23									
Conformity	EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, Dir. 89/336/EEC, LVD 73/23/EEC									
Operating temperature range	-20 to 55°C									
Ventilation	Forced from 55°C									
Acoustic level	<40dB / <45dB (without/with ventilation)									
Warranty	2 years									
Options										
Remote control RCC-02 or RCC-03	•	•	•	•	•	•	•	•	•	•
Communication cable for 3ph and // CAB-RJ45-8-2	•	•	•	•	•	•	•	•	•	•
Battery temp. sensor BTS-01 (3 m)	•	•	•	•	•	•	•	•	•	•
Battery temp. sensor BTS-01 (3 m)	•	•	•	•	•	•	•	•	•	•

Data may change without any notice.