

Xtender XTH



Model	XTH 3000-12	XTH 5000-24	XTH 6000-48	XTH 8000-48
Inverter				
Nominal battery voltage	12 Vdc	24 Vdc	48 Vdc	
Input voltage range	9.5 - 17 Vdc	19 - 34 Vdc	38 - 68 Vdc	
Continuous power @ 25°C	2500 VA	4500 VA	5000 VA	7000 VA
Power 30 min. @ 25°C	3000 VA	5000 VA	6000 VA	8000 VA
Power 5 sec. @ 25°C	7.5 kVA	12 kVA	15 kVA	21 kVA
Maximum load	Up to short-circuit			
Asymmetric load	Up to Pcont.			
* Load detection (stand-by)	2 to 25 W			
Cos φ	0.1-1			
Maximum efficiency	93 %	94 %	96 %	
Consumption OFF/Stand-by/ON	1.2 W / 1.4 W / 14 W	1.4 W / 1.8 W / 18 W	1.8 W / 2.2 W / 22 W	1.8 W / 2.4 W / 30 W
* Output voltage	Pure sine wave 230 Vac (± 2 %) / 120 Vac ⁽¹⁾			
* Output frequency	Adjustable 45 - 60 Hz ⁽¹⁾ ± 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				
* Charge Characteristic	6 steps: Bulk, Absorption, Floating, Equalization, reduced floating, periodic absorption Number of steps, thresholds, end current and times completely adjustable with the RCC-02/-03			
* Maximum charging current	160 A	140 A	100 A	120 A
* Temperature compensation	With BTS-01 or BSP 500/1200			
Power Factor Correction (PFC)	EN 61000-3-2			
General data				
* Input voltage range	150 to 265 Vac / 50 to 140 Vac ⁽¹⁾			
Input frequency	45 to 65 Hz			
Input current max. (transfer relay) / Output current max.	50 Aac / 56 Aac			50 Aac / 80 Aac
Transfer time	< 15 ms			
Multifunction contacts	2 independent contacts (potential free 3 points, 16 Aac / 5 Adc)			
Weight	34 kg	40 kg	42 kg	46 kg
Dimensions h/w/l [mm]	230 / 300 / 500	230 / 300 / 500	230 / 300 / 500	
Protection index	IP20			
EU declaration of conformity	Low Voltage Directive (LVD) 2014/35/EU: - EN 50178:1997 Electromagnetic Compliance (EMC) Directive 2014/30/EU: - EN 62040-2:2006, EN 61000-3-2:2014, EN 61000-3-12:2011			
Operating temperature range	-20 to 55°C			
Relative humidity in operation	95 % without condensation			
Ventilation	Forced from 55°C			
Acoustic level	<40 dB / <45 dB (without/with ventilation)			
Warranty	5 years			
ISO Certification	9001:2008 / 14001:2004			
Accessories				
Remote control RCC-02 or RCC-03	•	•	•	•
Module Xcom-232i	•	•	•	•
Communication sets Xcom-LAN /w Xcom-GSM / Xcom-SMS	•	•	•	•
Battery Status Processor BSP	•	•	•	•
Remote Control Module RCM-10 (3 m)				
2 aux. contacts module ARM-02				
Cooling Module ECF-01				
Battery temp. sensor BTS-01 (3 m)	•	•	•	•
Communication cable for 3ph and // CAB-RJ45-8-2	•	•	•	•
Mounting frame X-Connect	•	•	•	•

* Adjustable with the RCC-02/-03

** These features are valid only when using the cooling module ECF-01.

⁽¹⁾ With -01 at the end of the reference, means 120V/60Hz. Available for all Xtenders except XTH 8000-48

Data may change without any notice