

# Xtender Series



Model	XTS 900-12	XTS 1200-24	XTS 1400-48	XTM 1500-12	XTM 2000-12	XTM 2400-24	XTM 2600-48	XTM 3500-24	XTM 4000-48	XTH 3000-12	XTH 5000-24	XTH 6000-48	XTH 8000-48	
<b>Inverter electrical characteristic</b>														
Nominal battery voltage	12 Vdc	24 Vdc	48 Vdc	12 Vdc		24 Vdc	48 Vdc	24 Vdc	48 Vdc	12 Vdc	24 Vdc	48 Vdc		
Input voltage range	9.5 - 17 Vdc	19 - 34 Vdc	38 - 68 Vdc	9.5 - 17 Vdc		19 - 34 Vdc	38 - 68 Vdc	19 - 34 Vdc	38 - 68 Vdc	9.5 - 17 Vdc	19 - 34 Vdc	38 - 68 Vdc		
Continuous power @ 25°C	650**/ 500 VA	800**/ 650 VA	900**/ 750VA	1500 VA	2000 VA		3000 VA		3500 VA	2500 VA	4500 VA	5000 VA	7000 VA	
Power 30 min. @ 25°C	900**/ 700 VA	1200**/ 1000 VA	1400**/ 1200VA	1500 VA	2000 VA	2400 VA	2600 VA	3500 VA	4000 VA	3000 VA	5000 VA	6000 VA	8000 VA	
Power 5 sec. @ 25°C	2.3 kVA	2.5 kVA	2.8 kVA	3.4 kVA	4.8 kVA	6 kVA	6.5 kVA	9 kVA	10.5 kVA	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 %	93 %	93 %	93 %		94 %	96 %	94 %	96 %	93 %	94 %	96 %		
Consumption OFF/Stand-by/ON	1.1W / 1.4W / 7W	1.2W / 1.5W / 8W	1.3W / 1.6W / 8W	1.2W / 1.4W / 8W	1.2W / 1.4W / 10W	1.4W / 1.6W / 9W	1.8W / 2W / 10W	1.4W / 1.6W / 12W	1.8W / 2.1W / 14W	1.2W / 1.4W / 14W	1.4W / 1.8W / 18W	1.8W / 2.2W / 22W	1.8W / 2.4W / 30W	
* Output voltage	Pure sine wave 230 Vac (± 2%) / 120 Vac <sup>(1)</sup>													
* Output frequency	Adjustable 45 - 60Hz <sup>(1)</sup> ± 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													
<b>Battery charger</b>														
* 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	35 A	25 A	12 A	70 A	100 A	55 A	30 A	90 A	50 A	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													
<b>Grid feeding</b>														
Maximum feeding current	3 A	4 A	4 A	7 A	9 A	9 A	9 A	14 A	16 A	11 A	20 A	22 A	31 A	
<b>General data</b>														
* Input voltage range	150 to 265 Vac / 50 to 140 Vac <sup>(1)</sup>													
Input frequency	45 to 65 Hz													
Input current max. (transfer relay) / Output current max.	16 Aac / 20 Aac			50 Aac / 56 Aac						50Aac / 80Aac				
Transfer time	<15 ms													
Multifunction contacts	Module ARM-02 with 2 contacts, in option			2 independent contacts (potential free 3 points, 16 Aac / 5 Adc)										
Weight	8.2 kg	9 kg	9.3 kg	15 kg	18.5 kg	16.2 kg		21.2 kg	22.9 kg	34 kg	40 kg	42 kg	46 kg	
Dimensions h/w/l [mm]	110 / 210 / 310	110 / 210 / 310	110 / 210 / 310	133 / 322 / 466				133 / 322 / 466		230 / 300 / 500	230 / 300 / 500	230 / 300 / 500		
Protection index	IP54			IP20										
EU declaration of conformity	<b>Low Voltage Directive (LVD) 2014/35/EU:</b> - EN 50178:1997 <b>Electromagnetic Compliance (EMC) Directive 2014/30/EU:</b> - EN 62040-2:2006, EN 61000-3-2:2014			<b>Low Voltage Directive (LVD) 2014/35/EU:</b> -EN 50178:1997, EN 62109-1:2010 <b>Electromagnetic Compliance (EMC) Directive 2014/30/EU:</b> - EN 62040-2:2006, EN 61000-3-2:2014, EN 61000-3-12:2011						<b>Low Voltage Directive (LVD) 2014/35/EU:</b> - EN 50178:1997 <b>Electromagnetic Compliance (EMC) Directive 2014/30/EU:</b> - 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	100 %			95 % without condensation										
Ventilation	Optional cooling module ECF-01			Forced from 55°C										
Acoustic level	< 40 dB / < 45 dB (without/with ventilation)													
Warranty	5 years													
ISO Certification	9001:2008 / 14001:2004													

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<b>Accessories</b>													
Remote control RCC-02 or RCC-03	•	•	•	•	•	•	•	•	•	•	•	•	•
Module Xcom-232i	•	•	•	•	•	•	•	•	•	•	•	•	•
Communication sets Xcom-LAN / 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.

<sup>(1)</sup> 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