



Steca Xtender XTH

3000-12, 5000-24, 6000-48, 8000-48

	3000-12	5000-24	6000-48	8000-48
Characterisation of the operating performance				
System voltage	12 V	24 V	48 V	48 V
Continuous power	2,500 VA	4,500 VA	5,000 VA	7,000 VA
Power 30 min.	3,000 VA	5,000 VA	6,000 VA	8,000 VA
Power 5 sec.	7.5 kVA	12 kVA	15 kVA	21 kVA
Max. efficiency	93 %	94 %	96 %	96 %
Max. power	up to short-circuit			
Max. asymmetric load	2,500 VA	4,500 VA	5,000 VA	7,000 VA
Recommended battery capacity	$> 5 \times P_{\text{nom}} / U_{\text{nom}}$ (Ah)			
Own consumption standby / ON	1.4 W / 14 W	1.8 W / 18 W	2.2 W / 22 W	2.4 W / 30 W
Power Factor Correction (PFC)	according EN 61000-3-2			
Acoustic level	< 40 dB / < 45 dB (without / with ventilation)			
AC input side				
Input voltage	265 V AC (adjustable: 150 V AC ... 265 V AC)			
Charging current adjustable	0 A ... 160 A	0 A ... 140 A	0 A ... 100 A	0 A ... 120 A
Max. current on transfer system	50 A			
Switching time transfer relay	< 15 ms			
Input frequency	45 Hz ... 65 Hz			
DC output side (factory setting / range adjustable with RCC-02 or RCC-03)				
Battery voltage	9.5 V ... 17 V	19 V ... 34 V	38 V ... 68 V	38 V ... 68 V
Absorption end	by duration 2 h / 0.25 h ... 10 h or by current - / 4 A ... 30 A			
Absorption voltage	14.4 V / 9.5 V ... 17 V	28.8 V / 19 V ... 34 V	57.6 V / 38 V ... 68 V	57.6 V / 38 V ... 68 V
Periodic absorption voltage	- / 9.5 V ... 17 V	- / 19 V ... 34 V	- / 38 V ... 68 V	- / 38 V ... 68 V
Floating voltage	13.6 V / 9.5 V ... 17 V	27.2 V / 19 V ... 34 V	54.4 V / 38 V ... 68 V	54.4 V / 38 V ... 68 V
Reduced floating voltage	- / 9.5 V ... 17 V	- / 19 V ... 34 V	- / 38 V ... 68 V	- / 38 V ... 68 V
Equalization	by number of cycles (- / 1 ... 100) or at set interval (- / 52 weeks)			
Equalization end	by duration 4 h / 0.25 h ... 10 h or by current - / 4 A ... 30 A			
Equalization voltage	- / 9.5 V ... 17 V	- / 19 V ... 34 V	- / 38 V ... 68 V	- / 38 V ... 68 V
Deep discharge protection (LVD)	10.8 V / 9.5 V ... 17 V	21.6 V / 19 V ... 34 V	43.2 V / 38 V ... 68 V	43.2 V / 38 V ... 68 V
Reduced floating time	- / 0 ... 32 days			
Periodic absorption time	- / 0 ... 10 hours			
Temperature compensation (optional BTS-01)	-5 mV / 0 mV ... -8 mV / °C / Cell (only with option BTS-01)			
AC output side				
Output voltage	230 V AC +/-2 % / 190 V AC ... 245 V AC (true sine wave)			
Output frequency	50 Hz, adjustable: 45 Hz ... 65 Hz +/-0.05 % (crystal controlled)			
Cosphi	0.1 ... 1			
Total harmonic distortion	< 2 %			
Load detection (standby)	2 W ... 25 W			
Operating conditions				
Ambient temperature	-20 °C ... +55 °C			
Fitting and construction				
Power Smart-Boost	3,000 VA	5,000 VA	6,000 VA	8,000 VA
Input current balance adjustment	1 A ... 50 A			
Multifunction contact adjustable	2 independent contacts 16 A / 250 V AC (potential free change-over contacts)			
Degree of protection	IP 20			
Dimensions (X x Y x Z)	300 x 497 x 250 mm			
Weight	34 kg	40 kg	42 kg	46 kg
Cooling principle	fan from 55 °C			
Dynamic behaviour	0.5 ms (load change 0 % ... 100 %)			
Overload and short circuit protection	automatic disconnection with 3 times restart attempt			
Reverse polarity protection	by internal fuse			
Acoustic alarm	before deep discharge or overheating			
Overtemperature protection	warning before shut-off - with automatic restart			
Options	Type with 115 V / 60 Hz (except Steca Xtender XTH 8000-48), temperature sensor BTS-01			
EC 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			
Warranty	2 years			
Parallel connection possible	3 x 1 phase and three-phase			

Technical data at 25 °C / 77 °F