

STUDER

“XTH” Series

Pure Sine Wave

Inverter-Charger-Xtender

AA Solar & SunPowerPlus

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Model			
Inverter			
Nominal battery voltage	12V	24V	48V
Input voltage range	9.5-17VDC	19-34VDC	38-68VDC
Continuous power @ 25°C	2500VA	4500VA	7000VA
Power 30 min @ 25°C	3000VA	5000VA	8000VA
Power 5 sec @ 25°C	7500VA	12000VA	21000VA
Maximum efficiency	93%	94%	96%
Consumption: - OFF	1.2W	1.4W	1.8W
- Stand-by	1.4W	1.8W	2.4W
- ON	14W	18W	30W
Output voltage	Pure sinewave 230VAC ± 2%		
Output frequency	50 Hz ± 0.05% (crystal controlled)		
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 step: 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	160A	140A	120A
General Data			
Input voltage range	150 to 265 VAC		
Input frequency	45 to 65 Hz		
Weight	34kg	40kg	46kg
Dimension (H x W x L)	230 x 300 x 500 mm	230 x 300 x 500 mm	230 x 300 x 500 mm
Operating temperature	-20 to +55°C		
Acoustic level	< 40 dB without ventilation / < 45 dB with ventilation		