

STUDER

"C" Series



Pure Sine Wave Inverter-Chargers

AA Solar & SunPowerPlus

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Model	 C1600-12	 C2600-24
Inverter		
Nominal battery voltage	12V	24V
Input voltage range	9.5-16VDC	19-32VDC
Continuous power @ 25°C	1300VA	2300VA
Power 30 min @ 25°C	1600VA	2600VA
Power 5 sec @ 25°C	3900VA	6900VA
Maximum power	Up to short circuit	
Stand-by adjustment	1 to 25W	
Maximum efficiency	94%	95%
Consumption: OFF	0.5W	08.W
Stand-by	0.6W	0.9W
ON	6W	9W
Output voltage	Sinewave 230VAC (+0%/-10%)	
Output frequency	50Hz ± 0.05% (crystal controlled)	
Overload and short-circuit protection	Automatic disconnection with 3 time restart attempt	
Overheat protection	Acoustic warning before shut-off with automatic restart	
Battery charger (4 step)		
Charging current adjustable	0 - 55A	
Maximum input voltage	265 VAC	
Input AC voltage range	Adjustable threshold from 150 to 230VAC	
Input frequency	45 - 65 Hz	
Absorption time	0 - 4 hours	
Floating voltage	13.6V	27.2V
Equalization time	0 - 4 hours	
Equalization voltage	15.6V	31.2V
Deep-discharge protection	10.8V	21.6V
General data		
Weight	16kg	17.1kg
Dimensions (L x W x H)	124 x 215 x 480 mm	
Operating temperature range	-20°C up to +55°C	
Relative humidity in operation	From 45°C	
Acoustic level	<40dB without ventilation / <45dB with ventilation	