

STUDER




“HPC” Series

Pure Sine Wave Inverter-Charger

AA Solar & SunPowerPlus

70 Forge Road , Silverdale, Auckland
Ph/Fax: 09 427 4040 Ph: 09 427 4143 Mob: 027 490 5901

www.aasolar.co.nz www.sunpowerplus.co.nz
sales@aasolar.co.nz sales@sunpowerplus.co.nz

			
Model	HPC2800-12	HPC4400-24	HPC800-48
Inverter			
Nominal battery voltage	12V	24V	48V
Input voltage range	9.5-17VDC	19-34VDC	36-68VDC
Continuous power @ 25°C	2500VA	4000VA	7000VA
Power 30 min @ 25°C	2800VA	4400VA	8000VA
Power 5 sec @ 25°C	7500VA	1200VA	21000VA
Maximum efficiency	93%	94%	96%
Consumption - OFF	1.4W	1.7W	2W
- Stand-by	1.8W	2W	3W
- ON	10W	16W	30W
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			
Charging current adjustable	0-100A	0-100A	0-90A
Input AC voltage range	Adjustable threshold from 150 to 230 VAC		
Input frequency	45 - 65 Hz		
Absorption time	0 - 4 Hour		
Floating voltage	13.6V	27.2V	54.4V
Equalization time	0 - 4 Hour		
Equalization voltage	15.6V	31.2V	62.4V
Deep-discharge protection	10.8V	21.6V	43.2V
General Data			
Weight	33kg	39kg	45kg
Dimensions (H x W x L)	242 x 288 x 480 mm		242 x 288 x 500 mm
Operating temperature range	-20°C up to +55°C		
Acoustic level	<40dB without ventilation / <45dB with ventilation		