

Product:

Model SH1250P standard 1250 watt 120VAC/60Hz solar electric system, with a modified sine wave inverter and pulse width modulation (PWM) charge controlling.

Basic Description:

An economical unit, the SH1250P is ideal for those who want a backup power source for home use. With 1250 continuous watts of modified sine wave AC power and supplied with two (2) 120v type B receptacles, the SH1250T provides clean, quiet, renewable energy to run appliances, tools, and lighting - and provide emergency power in the event of grid failures. Featuring two solar panels that fold flat, and built on a heavy duty cart platform, this system can be easily stored until needed.

Features:

- Two Type B electrical receptacles, mounted in weather protective full-mount enclosures, protected by 15 amp circuit breaker
- Four (4) 6-VDC absorbed glass mat (AGM) deep cycle batteries with Nominal Capacity Ampere Hours @ 25° C (77° F) for 24 hour rate of 168 amp-hours
- Low idle current (less than one watt) conserves energy when no loads are present
- Two 115 watt solar modules, poly-crystalline silicon
- Solar array mounted on tilt adjustable frame, providing tilt angles from 0° to 60° (approx)

Options:

- DC and AC lightning arrestors with protection to 100,000 amps
- Digital meter for display of volts, amps, and amp hours
- 12 volt DC receptacle

Specifications:

Electrical Specifications	
Continuous Power (@ 25°C/77°F)	1250 watts (modified sine wave)
Output Voltage (RMS)	120 VAC
Frequency (nominal)	60 Hz
Continuous Output (@ 25°C/77°F)	10.4 amps AC
Peak Surge Capability	2500 watts
Overpower Rating (up to 1 hr)	1875 watts
DC Input Voltage (nominal)	12.0 VDC
DC Input Range	10.0 – 15.0 VDC
Low Battery Protection	10 VDC
Waveform	Modified Sine Wave
Receptacles	2 type B 120 VAC
Optional Lightning Arrestors (max current)	50,000 amps (10,000 amps clamped in 10 nanoseconds)

Cart Specifications	
Weight Capacity	1,000 lbs
Deck	24" x 48" welded steel mesh with 5 steel support brackets
Tires	10" pneumatic
Solar Array Specifications	
Type	2 Multicrystalline panels
Solar panel maximum power (Pmax)	115 watts each
Voltage at Pmax	17.1 volts each
Current at Pmax	6.7 amps each
General Specifications	
Base Unit Weight	470 lbs (approx – includes cart weight)
Unit Weight with all options	530 lbs
Dimensions (H x W x L)	42" x 32" x 52" (approx. with panels folded and in horizontal position)

Note: Specifications subject to change without notice.