

Product:

Model SH2400P standard 2400 watt 120VAC/60Hz solar electric system, with a modified sine wave inverter and pulse width modulation (PWM) charge controlling.

Basic Description:

At the middle of the SH series, the SH2400P is ideal for those who need a moderate level of backup power source for home use. With 2400 continuous watts of modified sine wave AC power and supplied with two (2) 120v type B receptacles, the SH2400T provides clean, quiet, renewable energy to run appliances, tools, lighting, and power tools - 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 20 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 216 amp-hours
- Low idle current (less than one watt) conserves energy when no loads are present
- Two 125 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)	2400 watts (modified sine wave)
Output Voltage (RMS)	120 VAC
Frequency (nominal)	60 Hz
Continuous Output (@ 25°C/77°F)	20 amps AC
Peak Surge Capability	4800 watts
Overpower Rating (up to 1 hr)	3600 watts
100 mSec Surge Capability	40 amps AC
DC Input Voltage (nominal)	24.0 VDC
DC Input Range	20.0 – 30.0 VDC
Low Battery Protection	20 VDC
Waveform	Modified Sine Wave
Receptacles	2 type B 120 VAC

Optional Lightning Arrestors (max current)	100,000 amps (50,000 amps clamped in 25 nanoseconds)
Cart Specifications	
Weight Capacity	1000 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)	125 watts each
Voltage at Pmax	17.6 volts each
Current at Pmax	7.1 amps each
General Specifications	
Base Unit Weight	540 lbs (approx – includes cart weight)
Unit Weight with all options	600 lbs
Dimensions (H x W x L)	54" x 36" x 48" (approx, with panels in horizontal position, folded)

Note: Specifications subject to change without notice.