

## Product:

Model SH3000P standard 3000 watt 120VAC/60Hz solar electric system, with a modified sine wave inverter and pulse width modulation (PWM) charge controlling.

## Basic Description:

The most powerful of our SH series, the SH3000P is ideal for those who require a serious level of backup power source for home use. With 3000 continuous watts of modified sine wave AC power and supplied with two (2) 120v type B receptacles, the SH3000T 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:

- Four Type B electrical receptacles, mounted in weather protective full-mount enclosures, protected by 30 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 224 amp-hours
- Low idle current (less than one watt) conserves energy when no loads are present
- Two 130 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:

<b>Electrical Specifications</b>	
Continuous Power (@ 25°C/77°F)	3000 watts (modified sine wave)
Output Voltage (RMS)	120 VAC
Frequency (nominal)	60 Hz
Continuous Output (@ 25°C/77°F)	30 amps AC
Peak Surge Capability	6000 watts
500 mSec Surge Capability	6000 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	4 type B 120 VAC

Optional Lightning Arrestors (max current)	100,000 amps (50,000 amps clamped in 25 nanoseconds)
<b>Cart Specifications</b>	
Weight Capacity	1000 lbs
Deck	24" x 48" welded steel mesh with 5 steel support brackets
Tires	10" pneumatic
<b>Solar Array Specifications</b>	
Type	2 Multicrystalline panels
Solar panel maximum power (Pmax)	130 watts each
Voltage at Pmax	17.6 volts each
Current at Pmax	7.4 amps each
<b>General Specifications</b>	
Base Unit Weight	560 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.**