

**Product:**

Model SP4000T-SW standard 4,000 watt solar electric generator with a sine wave inverter/charger and pulse width modulation (PWM) charge controlling.

**Basic Description:**

Solar powered electric system, mounted on a single axle trailer, provides up to 4,000 watts of continuous true sine wave AC power for homes, businesses, workshops, RVs and campers, and construction sites. It can power most common electrical appliances such as lights, refrigerators, computers, televisions, washing machines and power tools. Its high surge capacity of 10,200 watts gives it the ability to start difficult motor loads.

**Features:**

- Four Type B electrical receptacles (2 pairs), mounted in weather protective enclosures, each pair protected by 30 amp circuit breaker
- Four (4) 12-VDC absorbed glass mat (AGM) deep cycle batteries with Nominal Capacity Ampere Hours @ 25° C (77° F) for 20 hour rate of 245 amp-hours
- Two 208 watt solar modules, poly-crystalline silicon
- Low idle current (less than one watt) conserves energy when no loads are present
- Battery charger integrated into inverter is compatible with generator or grid power
- Solar array mounted on tilt adjustable frame, providing tilt angles from 0° to 60° (approx)
- Lightning arrestor with protection to 100,000 amps
- Trailer has US Department of Transportation (DOT) certified tires, rims, tail lights, fenders, and safety chains

**Options:**

- Transfer switch tie-in kit including NEMA L5-30 receptacle with AC breaker, internally mounted transfer switch to control output to Type B or NEMA L5-30 receptacles, and 25 ft marine grade cordset
- 12" spare tire and rim for trailer
- Digital meter for display of volts, amps, and amp hours, viewable from exterior of unit
- 1000 lb swing back trailer jack
- Battery temperature sensor (Charge Controller)
- Battery temperature sensor (Inverter/Charger)
- 12 volt DC receptacle
- Aluminum diamond plate protection for the front panel of the trailer enclosure, 12"(H) x 37"(W) x 1/16"(D)

**Specifications:**

<b>Electrical Specifications</b>	
Continuous Power (@ 25°C/77°F)	4,000 watts 120VAC
Output Voltage (RMS)	120 VAC
Frequency (nominal)	60 Hz

Continuous Output (@ 25°C/77°F)	33.0 amps AC
Inverter Efficiency	95%
Overload Surge Capability	15,000 watts
5 Sec Rating Surge Capability	10,200 watts
5 Sec Current Surge Capability	85 amps AC
100 mSec Surge Capability	50 amps AC
DC Input Voltage (nominal)	25.2 VDC
DC Input Range	22.0 to 32.0 VDC
Continuous Battery Charger Output	110 amps DC
Waveform	Sine Wave
Charging Load Current (@ 25°C/77°F)	35 amps DC
Charging Maximum Peak Current	85 amps DC
Receptacles	4 – type B 120 VAC; 1 – 30 amp NEMA L5-30
Lightning Arrestor (max current)	100,000 amps (50,000 amps clamped in 25 nanoseconds)
<b>Solar Array Specifications</b>	
Type	Sharp208
Solar panel maximum power (Pmax)	208 watts each
Voltage at Pmax	28.5 volts each
Current at Pmax	7.3 amps each
Maximum System Voltage	600 VDC
Module Efficiency	12.8%
Series Fuse	15 amps
<b>Trailer Specifications</b>	
Receiver Size	1 7/8"
Axle Thickness	5 mm
Weight	185 lbs
Weight Capacity	1075 lbs
Suspension	3 leaf
Tires	4.8" x 12"
<b>General Specifications</b>	
Unit Weight (with all options)	1080 lbs (approx – includes trailer weight)
Shipping Weight	1170 lbs (approx)
Dimensions (H x W x L)	56" x 68" x 92" (approx, with panels in horizontal position)

**Note: Specifications subject to change without notice.**

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