



Product:

Model SP3600T standard 3600 watt 120VAC/60Hz solar electric system, with a modified 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 3600 watts 120volt/60cycle of continuous modified 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 7500 watts gives it the ability to start difficult motor loads.

Features:

- Four Type B electrical receptacles, mounted in weather protective full-mount enclosures, 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
- Low idle current (less than one watt) conserves energy when no loads are present
- Two 190 watt solar modules, poly-crystalline silicon
- 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
- Spare tire cover (vinyl)
- Digital meter for display of volts, amps, and amp hours, viewable from exterior of unit
- Remote control switch and inverter status
- 1000 lb swing back trailer jack
- Battery temperature sensor (Charge Controller)
- Battery temperature sensor (Inverter/Charger)
- Aluminum diamond plate protection for the front panel of the trailer enclosure, 12"(H) x 37"(W) x 1/16"(D)

Specifications:

Electrical Specifications	
Continuous Power (@ 25°C/77°F)	3600 watts
Output Voltage (RMS)	120 VAC
Frequency (nominal)	60 Hz
Continuous Output (@ 25°C/77°F)	30 amps AC

5 Sec Rating Surge Capability	7500 watts
1 mSec Surge Capability	100 amps AC
100 mSec Surge Capability	72 amps AC
DC Input Voltage (nominal)	25.2 VDC
DC Input Range	21.6 – 31 VDC
Low Battery Protection	22 VDC
Waveform	Modified Sine Wave
Receptacles	4 type B 120 VAC
Lightning Arrestor (max current)	100,000 amps (50,000 amps clamped in 25 nanoseconds)
Solar Array Specifications	
Type	2 Multicrystalline panels
Solar panel maximum power (Pmax)	190 watts each
Voltage at Pmax	26.1 volts each
Current at Pmax	7.28 amps each
Trailer Specifications	
Receiver Size	1 7/8"
Axle Thickness	5 mm
Weight Capacity	1075 lbs
Suspension	3 leaf
Tires	4.8" x 12"
General Specifications	
Base Unit Weight	775 lbs (approx – includes trailer weight)
Unit Weight with all options	850 lbs
Dimensions (H x W x L)	56" x 66" x 92" (approx, with panels in horizontal position)

Note: Specifications subject to change without notice.

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