

# Residential Power Systems

## SPS Residential Solar Power Systems

SPS is pleased to offer our own line of Residential Solar Power Kits for your home or cottage. All Kits feature quality Shell or BP Solar Modules that provide reliable and environmentally-friendly generation of electricity from sunlight. Their 20/25 year power output warranty is your guarantee for trouble-free solar power generation. SPS's Residential Solar Power Kits come complete and ready to install with:

- A SPS 20 A Controller, Home Power Centre or Powerboard
- Adjustable, corrosion resistant aluminum mounting frame
- Full mounting hardware kit
- Rugged teck or UV power cable
- Owner's manual and installation guide



### Cottage-75



The Cottage-75 Kit will provide enough power to run lights and small appliances at a weekend cottage. The right choice for a complete and expandable system.

#### Features of the Cottage-75 Kit:

- Shell SP-75 solar module & adjustable roof mount
- 75 watts, 4.4 amps of charge power
- SPS's 20 amp regulator with conduit ready box
- 8 m of #10/2 Teck cable with connectors

### Cottage-100



The Cottage-100 Kit offers more power for DC appliances such as a water pump, a cellular telephone, or with a small inverter, a TV and VCR. The Cottage-100 Kit features the Shell SM-100 solar module to quickly recharge your battery bank.

#### Features of the Cottage-100 Kit:

- Shell SM-100 solar module & adjustable roof mount
- 100 watts, 5.9 amps of charge power
- SPS's 20 A regulator with conduit ready box
- 8 m of #10/2 Teck cable with connectors

### Cottage-170



The Cottage-170 Kit is a great choice for larger summer homes or as a starter for full-time residences.

It features two Laser Grooved BP-85 solar modules for more power from a smaller solar array. It also includes a Solar Boost controller to maximize panel output in all temperatures.

The Cottage-170 will run both indoor and outdoor lighting and a water pump. With an optional inverter, you can run a microwave oven, vacuum cleaner and a full size stereo. A complete kit ready for installation.

#### Features of the Cottage-170 Kit:

- Two laser Grooved BP-85 solar modules & adjustable roof mount
- 170 watts, 9.4 amps of charge power
- SPS Home Power Centre with Solar Boost regulator
- 12 m of #8/2 Teck cable with connectors

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## Cottage-225

The Cottage-225 Kit is our most popular solar power system! A powerful solar array with an engineered control centre make it the ideal choice for larger summer homes or as a starter for full-time residences.

With three Shell SP-75 solar modules to recharge your battery bank, the Cottage-225 Kit will run both indoor and outdoor lighting and a water pump. With an optional inverter, you can run a microwave oven, vacuum cleaner and a full size stereo. By using Shell SP-75s, you will have more charging power on overcast and hot summer days.

### Features of the Cottage-225 Kit:

- Three Shell SP-75 solar modules
- 225 watts, 13.2 amps of charge power
- SPS Home Power Centre with 20 amp regulator
- 12 m of #6/4 Teck cable with connectors



## Cottage-320

With 320 watts of charging power using the high efficiency BP80 solar modules, the Cottage-320 Kit is a great choice for larger summer homes or as a starter for full-time residences. The SPS Home Power Centre includes a Solar Boost controller for even more power in all light levels. With an optional inverter, you can run a microwave oven, vacuum cleaner and a full size stereo. A complete kit ready for installation.

### Features of the Cottage-320 Kit:

- Four BP-80 solar modules
- 320 watts, 18.8 amps of charge power
- SPS Home Power Centre with Solar Boost regulator
- 12 m of #6/4 Teck cable with connectors



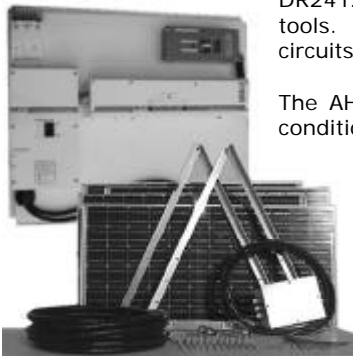
## Advanced Home Power System-400

The AHPS-400 Kit is designed for the year round residence or large summer home. Four Shell SM-100 solar modules quickly charge your battery bank at rates of up to 24 amps. Installation is made easy as the AHPS-400 comes as a complete kit, with a 2400 watt inverter pre-wired on a SPS Powerboard. The DR2412 allows you to use AC appliances such as blenders, vacuums or power tools. The Powerboard is wired directly into the electrical panel to feed house circuits. Electricity 24 hours a day — without the noise of a generator!

The AHPS will produce from 1 to 2 kWhrs per day, depending on weather conditions. The system may be expanded by adding more solar modules and/or a wind generator. In addition, a generator can be used to provide extra charging during the winter.

### Features of the AHPS-400:

- Four Shell SM-100 solar modules
- 400 watts, 23.6 amps of charge power
- DR2412 Powerboard with charger, breakers, disconnects, & 40 amp charge controller
- 12 m of #4/4 Teck cable with connectors



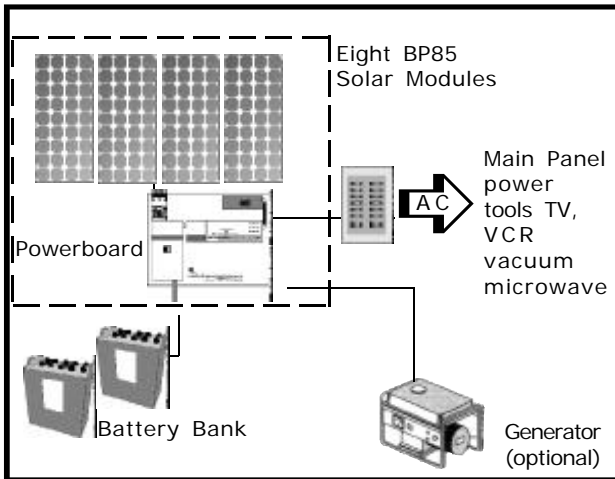
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## Advanced Home Power System-680



The AHPS-680 Kit is designed for the year round residence or large summer home. Eight BP-85 solar modules deliver up to 680 watts, and quickly charge a 24 V battery bank. The high efficiency panels are matched with the Outback SB-60 regulator with Maximum Power Point Tracking, giving you even more power in the winter.

The kit features a 2000 W sine wave inverter built into an SPS Powerboard for easy installation. The MX-2024 has clean power for TV's and computers, but plenty of horsepower for vacuums or power tools. The AHPS-680 will produce from 1 to 3.5 kWhrs per day, depending on weather conditions. The system may be expanded by adding more solar modules and/or a wind generator. In addition, a generator can be used to provide extra charging during the winter.



### Features of the AHPS-680:

- Eight Laser Grooved BP-85 solar modules
- 680 watts, 18.8 at 24 VDC amps of array power
- MX-2024 Powerboard with charger, breakers, disconnects, & 60 amp MPPT charge controller
- MX-Mate inverter remote and solar monitor
- 12 m of #6/4 Teck cable with connectors

## Ultimate Home Power System (UHPS)

This full-time off-grid home power system represents the state of the art in renewable energy technology, and comes complete with everything required. The UHPS is an integrated inverter/solar system package that provides virtually unlimited AC power to a remote home.



With a powerful pure sine wave inverter, clean, reliable power is available 24 hours per day. In addition, the UHPS can be fully automatic, starting and running the back-up generator only when it is needed to supplement the solar system. All safety disconnects and fusing have been provided, offering full protection to users and equipment.

In addition, SPS personnel and Authorized Dealers can assist your local electrician with installation. Engineered to meet all code regulations, the UHPS comes complete with everything a power system needs up to the AC distribution panel.

### Ultimate Home Power Systems include:

- 1.0 kW solar array and mount, 32 amps of charge power @ 24 VDC
- 4.0 kW Sine Wave Powerboard
- 36 kWhr battery bank (4 x PH-1500)
- 12 m of #4/4 Teck cable
- Integration Kit

