

Grid Tie Systems

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Grid Tie System



This simple system feeds synchronous solar power directly into your home, so that instead of buying power from a utility, you will produce all or a portion of your own electricity.

The Grid Tie System has two components: the Green Power Base Kit and the Green Power 600. The Base Kit includes the SMA Sunny Boy 1.8 kW PV grid tie inverter that converts the DC power of your solar array to AC power, and feeds your home's distribution panel, without the use of batteries. Maximum power point tracking ensures that all the solar power you generate gets utilized. At night, your home draws power from the utility grid.

Up to three Green Power 600 Solar Kits can be added to the Base Kit for a total of 1800 watts of solar power! Each Green Power 600 Kit includes a 600 watt solar array, roof-mounting structure, all necessary wiring and a safety disconnect.

Specifications	
Model	Description
Green Power Base Kit	1800 watt Sunny Boy Inverter, remote & install kit
Green Power 600	600 watt solar array & install kit



Grid Tie/Back-up Power System

The Grid Tie / Back-up System offers both the benefit of solar generation and the security of back-up power in the event of a power failure. During the day it converts solar power into AC power and feeds directly into your home. It also maintains a battery reservoir of 10 kWhr, and if grid power fails, you have enough backup power to run essential loads like furnaces and refrigerators for several days or more. This system is ideal if you live in an area prone to power outages. The Grid Tie / Back-up System combines an inverter, battery bank and a Green Power 600 watt solar array kit. The battery bank may be doubled or tripled for those who encounter long power outages. Also, up to six Green Power 600 kits may be added to the base package, for a peak total of 3600 watts!

Specifications	
Model	Description
Grid Tie/Back-up Base Kit	4 kW inverter & install kit
10 kWhr Battery Kit	Battery bank, enclosure & install kit
Green Power 600	600 watt solar array & install kit

Would you like to be a Green Power Pioneer?

While there are tens of thousands of grid tie solar systems installed in the US, this is a relatively new concept in Canada. Every province has only a handful of homes using solar and utility power together, and SPS and its manufacturers would like to change this.

The Solar Pioneers Program is a joint subsidy program which helps defray the costs of installing a solar system on residences now supplied by grid power. Our goal is to have several systems installed in each Canadian province over the next 12 months. Qualified applicants will be asked to participate in a monitoring program and have their home showcased on our Solar Pioneers web site.

Together we can change how Canadians look at power generation. Install a Green Power system on your home and show the rest of Canada what green power can do for us all! For more information contact us at solarpioneer@spsenergy.com, or 1-800-667-6527.

