

## SITE

The site screen summarizes the current status of power flow and energy usage in the net metered building.

1 **BANNER** Custom banner uploaded in SETUP-Site

2 **TABS** Select from SITE summary, LIVE gages and graphs, ANALYZER for performance and troubleshooting, SETUP to customize SolarVu, SUPPORT for dealer link and HOME to the owner's homepage. Links to SUPPORT and HOME can be programmed in SETUP-Site.

3 **Today** Power is monitored separately for solar generation, grid and usage. Power in kW now and cumulative energy in kWh since midnight are displayed.

**GENERATION** Power currently being delivered from the solar panels. Gage is always green. The red marker on the dial is the rated AC output capacity of the system.

**GRID Import-Buy** When total power usage exceeds the amount being generated additional power will be drawn from the grid. The dial is orange and the numbers are positive with no brackets.

**GRID Export-Credit** When solar generation exceeds power consumed, the surplus is exported to the grid and the utility meter records the credit energy. The gage goes green to indicate surplus green power is being sent to the grid. Numbers below the gage are negative, indicated by brackets instead of a minus sign.

**USE** Total power being consumed on the premises. The gage is always orange independent of whether power is coming from the grid or solar.

4 **Solar Generation**

**STATUS** When solar power is being generated the sun and panel will flash yellow. At night when the solar system is shut down, the icon will change to a moon.

**NOW** The capacity gage shows how close to maximum rated output the solar generation system is now. At the top is the actual solar generation power now in kW. Below that to the right of the bargraph is the maximum output rating of the solar system in kW. This is the amount of power that can be delivered in full sun. The bargraph is filled according to the actual percentage from 0-100% with the actual value displayed beside the bargraph.

**TODAY** The piechart shows how much of the energy consumed today (since midnight) has been generated from the solar system. It is 100% solid green when all the energy used was solar. Even if surplus solar energy was exported to the grid, the value will be 100%. The size of the piechart will vary from white (no solar energy) to solid green (100% solar energy) with the actual amount numerically displayed above the piechart in percentage and kWh.

**30 Days** To assess the green footprint over the last 30 days the total energy generated and used is displayed in kWh. If more solar energy was generated than used, the site has been a net zero consumer with a 100% green value. Use this panel to determine how closely energy self sustainability is being achieved.

5 **Links** Access related websites by adding custom URL links in SETUP-Site for quick access to other online resources. Click the SETUP tab and enter the site username and password to make changes.

6 **Weather Conditions** Local weather for this location is displayed. Click on the graphic to obtain the current long range forecast from The Weather Network. The location is factory set and cannot be changed by the user.

7 **About Site** Click this link for technical details about this site. To make changes, log in to SETUP-Account with the username and password.

8 **Slideshow** A custom slideshow can be created with the built in WebFilm CMS using site photos, presentations and other graphics. This is managed in SETUP-Site. Use the navigator buttons to override the automatic settings including the < > button for a larger view with captions.

9 **Power Flow Now** Visually see how power is being used now as measured by NRGpilot meters installed at the site. Power consumed by loads like lights or appliances (Use box) is drawn from the breaker panel. It can come from the inverter (Gen box) connected to the solar panels which converts DC to AC or the grid (Grid box). When excess solar electricity is generated it passes through the breaker panel directly to the grid for consumption elsewhere. A single utility meter records import - buy and export - sell power separately. These values are read by the utility and used to calculate the monthly statement of the net amount owed.

10 **Resources** Click the Cachelan or NRGpilot logo to go to the websites for more information about each feature, explanatory videos, instruction guides and other resource material. Use the Feedback button to send an email directly to Cachelan engineers with your comments. Click the installer logo on the left to go to the website of the company that installed the net metered system.

