eMonitor™

Home Energy Intelligence for Everyone
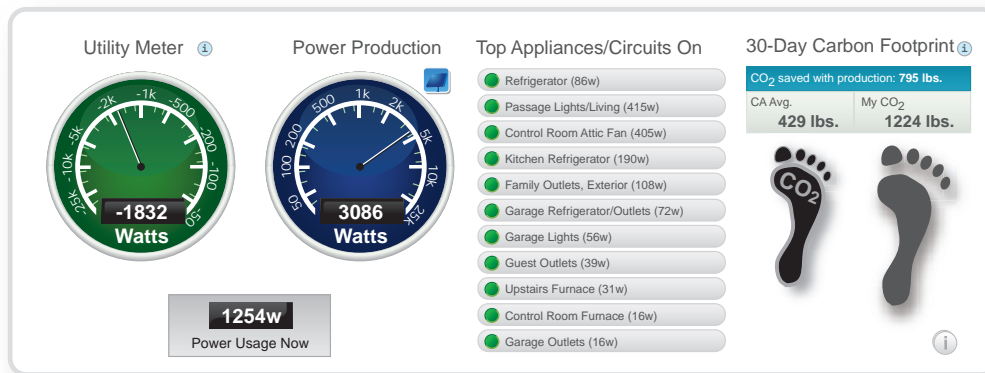
A Revolutionary Breakthrough in Home Energy Management

Solar PV is only one component of a home's energy system So why monitor only one piece of the puzzle?
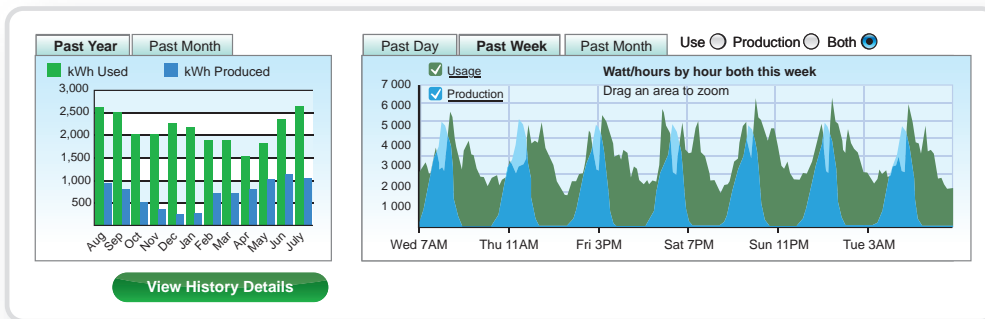
The eMonitor enables homeowners to monitor and manage all uses and sources of energy in their homes from a single interface.

Unlike most PV monitoring systems, the *eMonitor* is designed from the outset to help consumers better understand their overall energy usage and find ways to save. This makes the *eMonitor* a powerful value-added service to provide your customers.

Utility Meter — -1832 Watts

Power Production — 3086 Watts

1254w — Power Usage Now

Top Appliances/Circuits On
- Refrigerator (86w)
- Passage Lights/Living (415w)
- Control Room Attic Fan (405w)
- Kitchen Refrigerator (190w)
- Family Outlets, Exterior (108w)
- Garage Refrigerator/Outlets (72w)
- Garage Lights (56w)
- Guest Outlets (39w)
- Upstairs Furnace (31w)
- Control Room Furnace (16w)
- Garage Outlets (16w)

30-Day Carbon Footprint
CO_2 saved with production: 795 lbs.
CA Avg. 429 lbs.   My CO_2 1224 lbs.

By uniquely monitoring electricity at the *circuit* level, the eMonitor captures both appliance and device usage and production of PV or other generating systems. This level of granularity provides *actionable intelligence*: in addition to usage, cost, production and savings information,
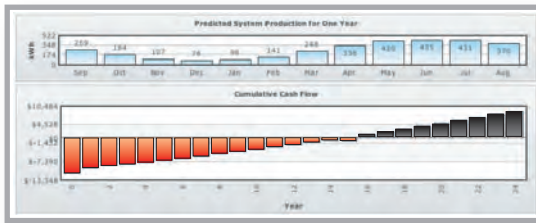

View History Details

The eMonitor helps customers benefit from a tightly integrated combination of energy efficiency and renewable energy, with information which can maximize the potential of their PV system. At the same time, the Installer can provide a co-branded monitoring solution that provides true benefits to themselves and their customers.

PowerhouseDynamics

www.powerhousedynamics.com

eMonitor ™ renewable energy monitoring...and more

From Pre-Sales Opportunities...

> Help customers find ways to lower their energy usage and therefore reduce the size and cost of the PV system they would need

> Allow customers to do their own sizing and estimates based on their actual usage and a comprehensive model that incorporates all available rebates and credits

> Obtain leads from other eMonitor customers who are interested in further exploration of PV or Solar Hot Water options

> Be able to offer customers a value-added solution that integrates the benefits of renewable energy with the benefits of energy efficiency
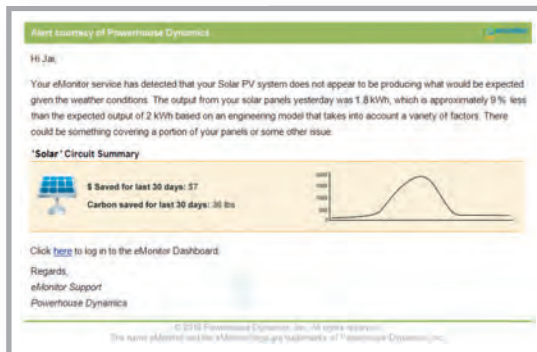
Solar ROI Calculator

...To Post-Sales Support

> Help customers find ways to lower their energy usage at key times and directly benefit from more exports to the grid

> Easily keep tabs on every system in the field – from a web browser

> Identify system problems before customers know they're occurring

> Proactively support customers in overall energy management

Analysis

Production Savings   Close
Past 7 days

kWh Produced	189
Dollars Saved	$34
lbs CO2 Saved	138
kWh Exported To Grid	32
Dollars Exported To Grid	$6

Real-Time Alerts

...And More

> Be alerted to problems before the customer is aware

> Easily see the status of all systems in the field

> Gain independence from Inverter manufacturer monitoring: a single branded system for all customers

Key Features

> 24 x 7 monitoring of PV system and energy use for the whole house, at the circuit level and at the appliance level

> Web-based display of current and historical energy production and energy usage by circuit, down to the minute-by-minute level

> Calculation of CO_2 levels and reductions resulting from PV system

> Measurement and reporting of Net Purchases and Net Exports, along with associated energy bill reductions

> Alerts on problems with PV system; appliances left on or not performing as expected; circuits nearing or over capacity; dollars spent thresholds, and more

> The eMonitor Dashboard and alerts provided with Installer's branding

> Installer portal summarizes characteristics and status of each system, with ability to aggregate production and customer savings and to view all customer systems' details and histories

> Weather monitoring: track ambient temperature and irradiation; perform Performance Ratio analysis

Recommendations

> Recommendations, alerts & reports by text message and email