



- 1 **Enphase Micro-inverter system**
 - installed on the racking beneath each solar module
 - maximizes energy harvest
- 2 **AC power is sent via AC wiring to the load center**
 - performance data is also sent via the AC wiring
 - plug and play communications
- 3 **Envoy Communications Gateway**
 - plugs into any AC outlet
 - collects information via the AC wiring
 - transmits data through a standard ethernet router to the internet
- 4 **Standard Ethernet Router**
 - information collected by Enphase Envoy is then transmitted to Enlighten in 5-minute intervals
- 5 **Enphase Enlighten Monitoring**
 - provides monitoring and analysis
 - performance information can be viewed from any web browser



Strathcona
Solar Initiatives

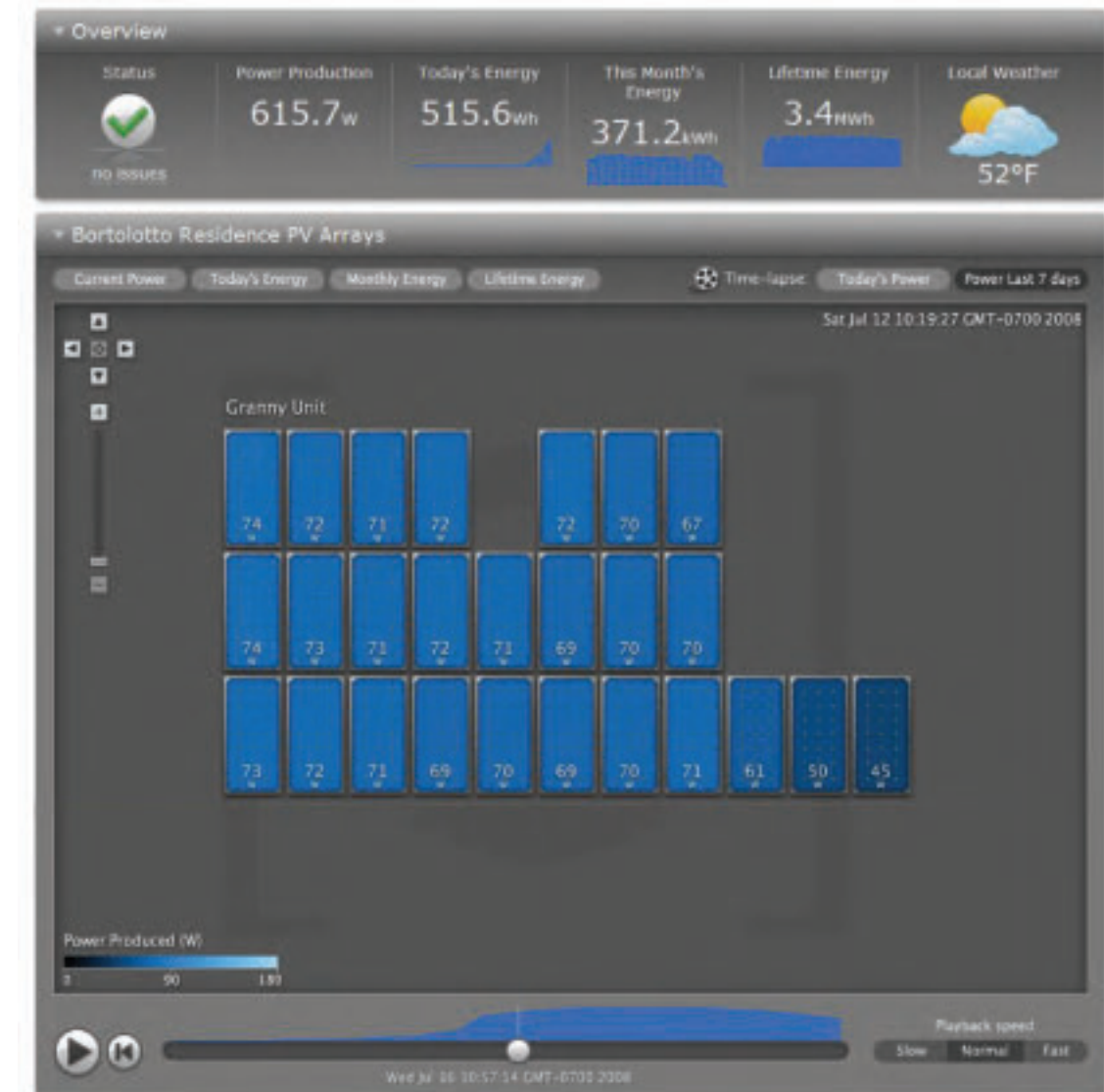


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ENLIGHTEN™
Per-Module Monitoring and Analysis



Plug-and-Play Installation

Enphase Energy's per-module monitoring technology is integrated into the Enphase Microinverter System which means that you do not need to purchase or install a bolt-on or stand-alone third-party monitoring tool.

The Enphase Envoy (EMU) communications gateway plugs into any standard AC outlet and collects micro-inverter performance information over the existing power line. No additional wiring is required.

By plugging the Ethernet cable of the Envoy into a broadband router, performance data is automatically transmitted to Enlighten using the site's existing internet connection, further simplifying installation.

About Enphase Energy

Enphase Energy provides solar energy management systems for residential and commercial markets. The company offers a networked system, which includes high-efficiency micro-inverters, communications and web-based analytics. The systems increase energy harvest, increase system reliability, and simplify design, installation and management. Founded in 2006 and based in Northern California, the company is led by veterans from the solar and high tech industries and backed by industry leaders.

Per-Module Monitoring

The Enphase 24/7 per-module monitoring service ensures optimal uptime. System owners and installers can rest assured that Enlighten is monitoring their installation and will notify them of any issues that need attention.

Monitoring



Enlighten constantly monitors every module and compares its performance to each of its neighboring modules to identify any production issues.

Analysis



Using its built-in analysis algorithms, Enlighten analyzes production shortfalls, establishes a possible cause and suggests solutions to remedy the situation.

Insight

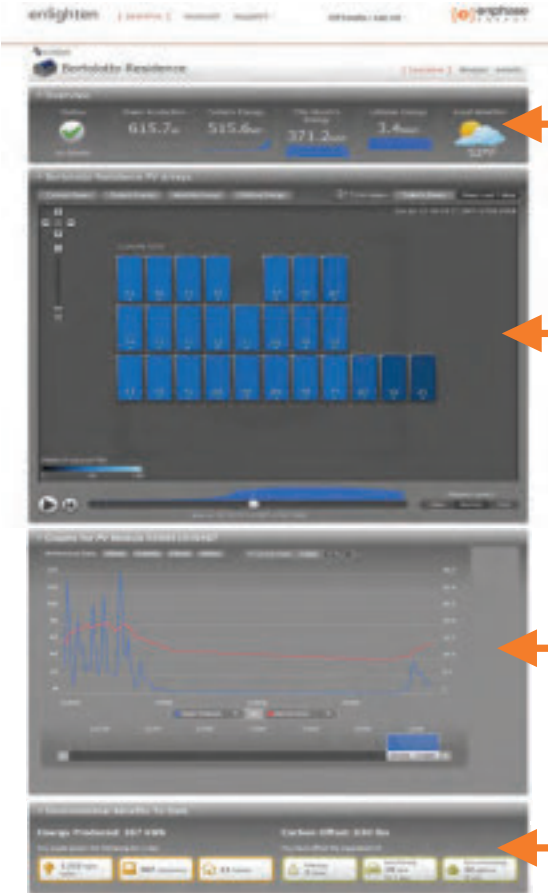


Enlighten promptly sends an alert to the system owner or installer per the user-defined preferences established at installation.

Enlighten™ Website

Enphase Enlighten enables a new level of performance, reliability and management for solar energy installations. Enlighten is integrated into the Enphase Microinverter System and provides unprecedented visibility into the performance of every solar module.

Upon logging in, installers get an at-a-glance view of the status of all their systems via the Enlighten console as well as a visual alert for installations that require attention.



The overview pane provides system-level information for each installation.

The aerial view provides visualization of the array as it is physically configured at the site.

Additional information is gathered and displayed to enable analysis of energy harvest deviations.

Environmental benefits are automatically calculated