

Web-Based PV System Monitoring

SOLREVIEW

a breakthrough in web-based monitoring

Northstar Construction Services

System Info

Location 40 Albert Drive Leominster, MA 01453

Service Started Tues Jun 10, 2008

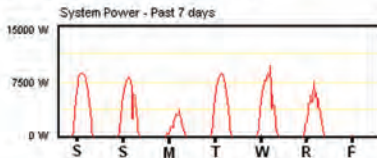
Installer



Current System Status

Inverter Models	Inverter WAC	Qty.	Total Capacity (WAC)
Solectria PVI 2500	2500	6	15000

Panel Modules	Module WDC	Qty.	Total Capacity (WDC)
Uni-Solar PVL-136	136	120	16320



Online [last update: 2008-09-26 09:13:04 EDT]

System Status, Revenue-Grade: **Active**

Energy generated today: 0.2 kWh

Lifetime energy generated: 7106.1 kWh

Lifetime CO₂ emission offset: 8883 lbs

System AC power now: 179.0 W

[View Revenue-Grade](#) [View Inverter-Direct](#)

- Inverter direct data
- Revenue grade data
- Agency reporting for every state
- Simple to specify and order
- Instantaneous and historical data
- System photo
- Data access 24 hours a day, 7 days a week
- Li-battery backup for up to 6 months
- Residential, commercial and utility scale systems
- Reliable & secure back-up & data storage at state-of-the-art data center
- Automatic email and cell phone alarms with recommended action
- Sub-array monitoring and building demand metering
- Covers full line of Solectria PV inverter models
- Real-time weather data

Northstar Construction Services - [View System Summary](#)

[Revenue-Grade](#) [Inverter-Direct](#)

[AC Energy](#) [AC Power](#) [AC Voltage](#) [AC Current](#) [DC Voltage](#)

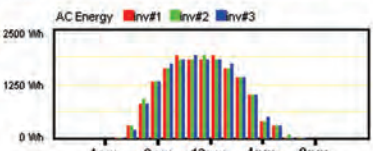
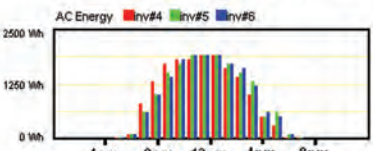
Day [Week](#) [Month](#)

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AC Energy - 275 days ago [Wed Jun 11, 2008 EDT]

Inverter	275 days ago	Lifetime	Timestamp
inv#1 4HX9001403	16.1 kWh	307.3 kWh	[20:08:21]
inv#2 4HX9001441	16.2 kWh	311.2 kWh	[20:10:20]
inv#3 4HX9001381	16.2 kWh	309.9 kWh	[20:09:21]
inv#4 4HX9001416	16.1 kWh	309.1 kWh	[20:09:21]
inv#5 4HX9001428	16.3 kWh	313.7 kWh	[20:09:21]
inv#6 4HX9001421	16.3 kWh	312.1 kWh	[20:00:21]

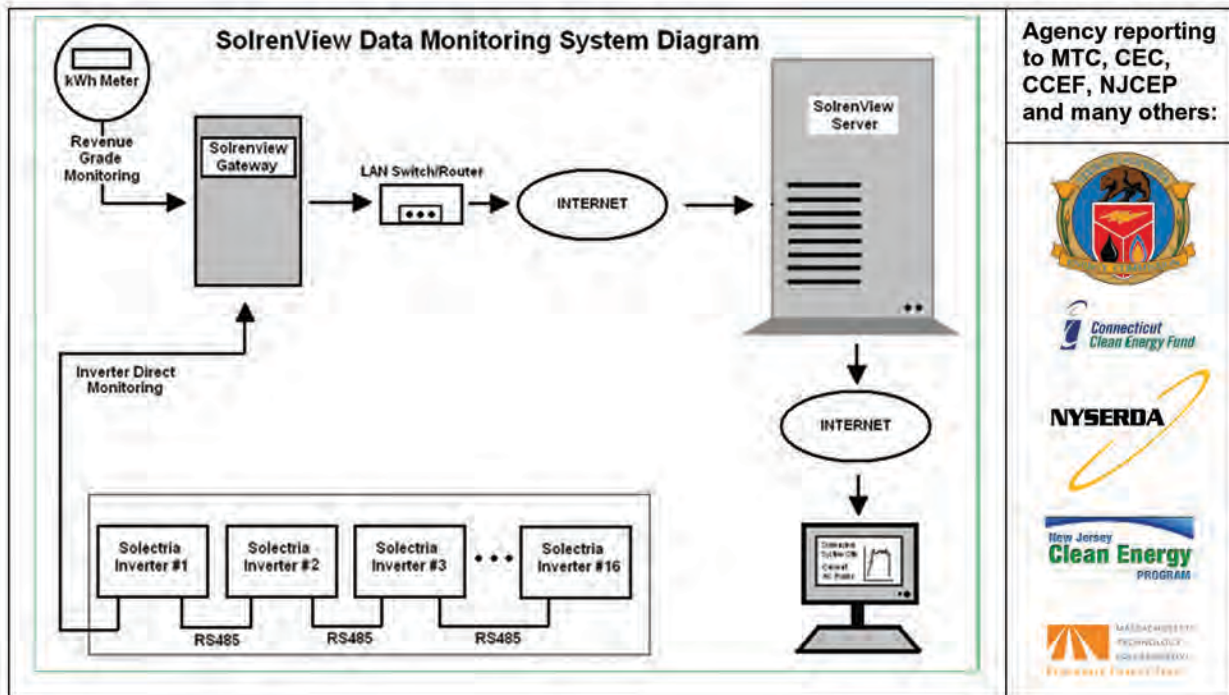
** Note: Each colored block represents time-span of 1 hour. **

Solectria introduces Solreview web-based PV system data monitoring: exceptional reliability and detail at an extraordinary price.



SOLREVIEW



Product Details

Inverter Direct Monitoring Package

Inverter direct monitoring allows you to see detailed inverter data (AC and DC) using your web-browser. Go back in time and flip through the daily, weekly, and monthly graphs up to 5 years in the past to view single events or long-term trends. The package includes email alarms with detailed descriptions of sudden system problems and a recommended course of action. This service is only available for the industry-leading Solectria PVI series inverters.

Revenue Grade Energy Production Monitoring Package

The revenue grade energy production monitoring package keeps an accurate count of every kWh produced by your PV system. We automatically report this number to your solar program agency for your convenience. This package includes email alarms with detailed descriptions of sudden system problems and a recommended course of action. This service is available in 1kW – 1MW using any inverter make and model.

Sub-array Monitoring Option

Sub-array monitoring enables you to detect underperformance of your commercial PV array down to a single non-contributing string that might otherwise have gone undetected for years. A must have tool to back up your PPA deliverables. This option is available for Solectria PVI 60kW/82kW/95kW and larger series inverters.

Building Energy Demand Option

The building energy demand option encompasses a second Revenue Grade Energy production meter, which is overlaid with the PV production graph to visualize net energy flow at your site. This option may also be used for billing a tenant on a monthly basis by metering the electricity that is flowing into an electrical sub panel (if allowed).

Real-time weather package

The real-time weather package allows you to view crucial environment information such as sunlight, module and ambient temperature, wind speed and direction next to your inverter direct or revenue grade production data. A great tool to demonstrate the influence of wind chill and sunlight on the energy output of your PV system.