



One Fleet. One Login.
Professional solar monitoring and energy management

Monitoring is an advantage, not a burden.

We understand how time-consuming it can be to monitor and manage solar plants. Monitoring is even more frustrating when you have to juggle several software platforms. Imagine being able to manage all of your plants with one single login.

Solar-Log® provides highly reliable performance data and is compatible with all major inverter brands, plus storage systems and accessories. As a result, you can consolidate your solar plant monitoring and reduce solar plant downtime with accurate performance data.



Save Time

- Unbeatable compatibility with devices including inverters, storage systems, meters & much more
- Stop juggling monitoring platforms and consolidate to one
- Receive automatic customized performance error alerts
- Remedy issues remotely for less interruption and fewer unnecessary site visits
- Quickly distinguish faulty performance errors from environmental factors



Increase Earnings

- One source monitoring and management portal creates a simplified option to offer services and O&M contracts
- Solar-Log® predicts how much energy each plant is expected to produce and will detect any unexpected drops in power production
- Reduced downtime means increased uptime and earnings - protect your solar PV investment



Reduce Back-end Costs

- Consolidating to one monitoring portal reduces the need to train team members on several systems, freeing up your own resources
- Avoid unnecessary truck rolls with quick performance analysis
- Advanced services, including Solar-Log® WEB-4U, create a solution for even the smallest installer team to increase revenues by offering services and O&M contracts



994kW Ground-mount Array

- 1,352,000 kWh expected annual output
- Solar plant saves the customer \$140,000 per year in electricity costs

Sunrise Solar in MD installed a Solar-Log data logger to monitor plant performance and a Solar-Log 2050 for the revenue grade metering required for performance-based incentive reporting. Cellular connectivity means the Solar-Log® is not depended on local internet. Sunrise Solar can monitor the entire array from the Solar-Log Web Enerest™ XL platform.



“As a turnkey developer of commercial and industrial solar systems, we’ve found that Solar-Log® makes it extremely convenient to monitor our customers’ PV investment in one intuitive and easy portal.”

- Mike at SunPeak, WI

Solar Monitoring & Management Needs, ~~Met~~ Exceeded

- Comprehensive Performance Monitoring Software
 - Automatic, Customized Error Alerts
 - Flexible, Sharable/Exportable Performance Reports
- Extremely Accurate Revenue Grade Metering and/or Incentive Reporting
 - Fleet Management Tools
 - Forecast of Expected Yields
 - End-user Dashboard
 - Feed-in Management
 - Combined Platform for all Devices
- Battery Storage Monitoring and Smart Energy Features



Solar-Log® Comparison Chart

Compare Features to Other Industry Brands



Features*	Solar-Log®	U.S. Competitor
Max. Connected Devices	3 x 100	32
Max. Hardware Data Storage	4GB	1GB
Active/Reactive Power Control	Built in	Additional Hardware
Accuracy Class of Revenue Grade Meter	0.2%	0.5%
Weather Sensors	Multiple Options	Limited
Local Plant Monitoring	●	-
USB Data Export and Data Correction	●	-
Battery Storage System Integration	●	-
Services to take monitoring off your hands	●	-
Compatibility with over 2,300 components	●	-
Agency /Incentive Reporting	Included	Additional
Software offered at multiple levels	Yes	No
Lead time	Stock products ship within 3 days	>15 days
Technical Support	Typically immediate availability	2-hour call-back window

*Features and technical specification vary by hardware and software solution. Solar-Log's software package approach means you only pay for the features you need. Contact us to find the best solution for your next project.

Solar Data Systems - Monitoring as a Service (MaaS)

Solar lifecycle solutions for monitoring, evaluation, troubleshooting, and control

Harness the power of data to safeguard the technical and economic performance of a solar PV fleet.

We understand that you lose money when a solar plant malfunctions. The financial impact can be due to lost production or the time it takes to combat that loss. SDSI offers professional services to ease pain points that come with plant issues.

“The SDSI support team was tremendous to work with...their help was vital to our success. Our client is extremely happy and we owe a lot of that to the SDSI team.”

- Brian, MD

Solar-Log® WEB-4U

Increase efficiency of the O&M process. Solar-Log® professionals pro-actively monitor your plant performance. Dedicated experts receive, analyze and remedy configuration & performance errors, as quickly as possible, so you don't have to.

Configuration Check

Eliminate unnecessary alerts with this multi-point check of your Solar-Log® portal. Confirm that your plants are configured properly and reduce the flood of emails and false notifications.

Performance Analysis Report

Receive a self-explanatory report of performance issues observed, total estimated kWh loss and the recommendations from our team of experts with clear next steps to eliminate production issues.

ROI Analysis Report

What is the value of your solar investment? Do you know the value of production losses? Our team can provide an extensive analysis to determine the financial impact of production losses due to malfunctioning solar plant.

Customized Hardware Assembly and Additional Services

One size doesn't fit all. Unique installs require creative and customized solutions. Reduce the installation time on site by having our team pre-assemble your Solar-Log® hardware, according to the specifications of a particular plant.

SDSI also offers additional solutions like the Emazys Z200 PV analyzer to reduce the time it takes to troubleshoot plant issues.

Solar-Log[®] Case Study

The Real Cost



Have you ever wondered how much a drop in power production really costs?

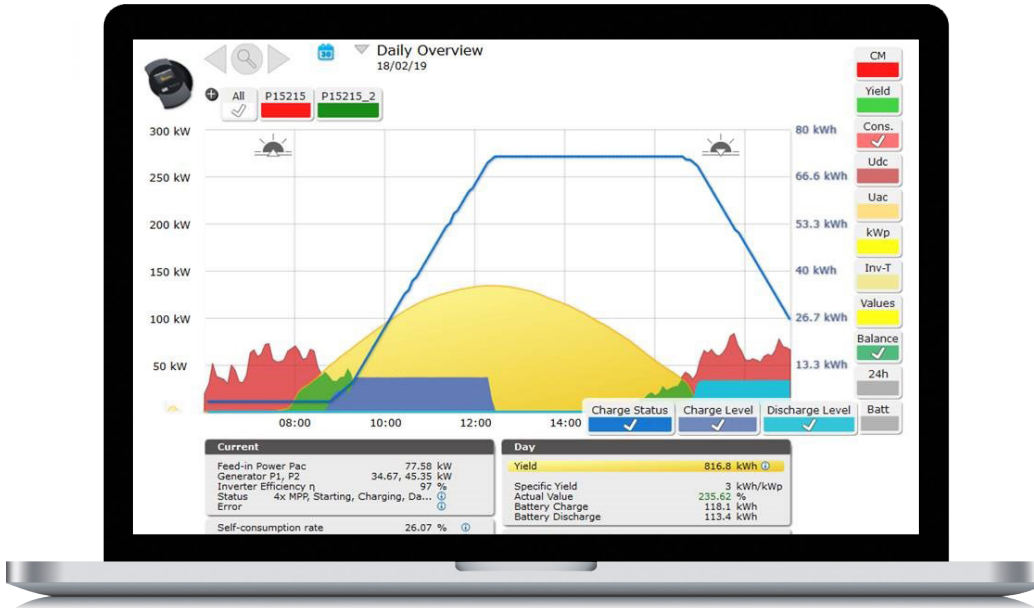
In one of our case studies, a 52kW solar array had a partial failure of 5 out of the 7 inverters. The array did not have a professional monitoring system installed which resulted in the performance issue going undetected for 31 days.

Let's break that down into actual cost....

- 52kW, 7 Inverters
- Avg. cost, \$0.12/kWh
- Partial failure of several inverters left undetected for 31 Days
- Total power loss, 2,904 kWh
- Total financial loss, \$348.48 - in just one month!

The investment in a solar plant is worth protecting. Throughout the 20+ year lifetime of a solar array, O&M contracts with qualified monitoring pay for themselves several times over. Professional, accurate monitoring is worth the minimal expense to protect the ROI.

Device Agnostic Solutions | Unmatched Compatibility



Solar-Log® Storage Compatibility
 273 kWp
 Solar-Log 2000PM+
 5 DELTA inv (4xRPI M50A, 1xM88H)
 Varta Flex Storage E

Over 100 Compatible Manufacturers, Including...



Proud Members of...

