



One-Stop Service:
Monitoring and Managing.

The highest quality from the market leader

Solar-Log™ devices are the most accurate and reliable data loggers on the market. Offer your customers high-quality “Made in Germany” products and top-of-the-line service. Our commitment: to continue to stay ahead of the market with creative innovations. Our goal: more performance, more efficiency and more success for every PV plant. Solar-Log™ is compatible with inverter brands from all major manufacturers worldwide.

Reliable Monitoring

A photovoltaic plant can only reach maximum yields when it is producing power uninterrupted and free of disturbances. Solar-Log™ is the global leader in monitoring and ensures efficient management of PV plants.

Set Percentage Reduction (X %) of the Module Output

The Solar-Log™ offers the option to limit the amount of power fed into the grid from the inverters by an adjustable percentage of the module output (fixed regulation).

Energy Meters – counting and measuring

Energy meters record the amount of power consumed for self-consumption and present it as a comparison to the production. The Solar-Log™ and Solar-Log WEB Enerest™ visualize this data.



Solar-Log 2000

Optimized Consumption of Self-Produced Power

Solar-Log™ is also the leader when it comes to controlling the consumption of self-generated power.

Intelligent Heating

The Solar-Log™ reports the amount of available surplus PV power to the EGO Smart Heater and other heat pumps. A heating system can be used as a buffer storage, offering enormous savings potential.

Solar-Log™ Weather Forecast Data

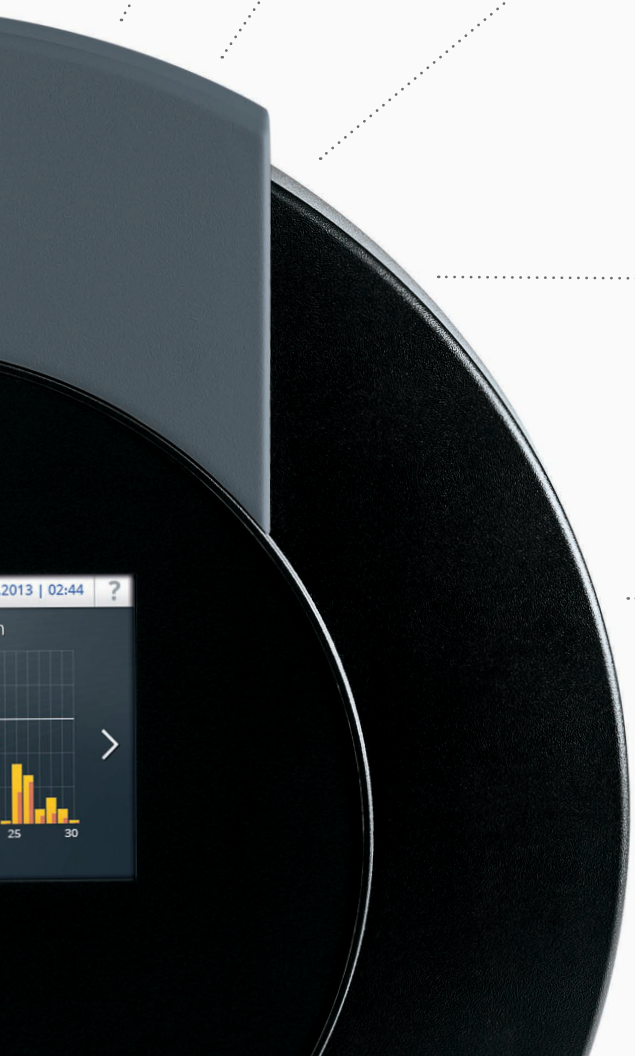
The Solar-Log™ provides weather forecast data hourly and two days in advance. Intelligent, proactive heat pump management

Combined Heat and Power (CHP)

With the help of power meters, the Solar-Log™ can record and visualize the production from a combined power and heat unit (CHP).

Battery Storage Monitoring

The Solar-Log™ can visualize the battery's charging capacity.



The Solar-Log™ Product Family

The Solar-Log™ devices do fit for all plant sizes and according to customer's requirement. We provide system solutions so that self-consumption can easily be arranged and combined with a PV plant in a clever way, and this can be applied for a family home as well as for a commercial or industrial building which has to meet with individual requirements of grid companies or according to the law in general. We do, of course, also cover the needs of an investor or project company with PV plants in the mega watt range.

Top Features	Solar-Log 250	Solar-Log 300	Solar-Log 1200	Solar-Log 2000
LCD-Status-Display	Displays the current status during installation and normal operations			
TFT Touch Display	-	-	Color touch display for displaying graphics and operation	
Installation is possible without PC and installation expertise.				
Easy Installation	The inverter detection and Internet registration is enabled by default and is started automatically.		Query for additional information, then country-specific inverter detection and Internet registration.	-
Network recognition	Automatic search for the DHCP server and assignment of a valid IP address on the local network.			
Local network accessibility	The device can be accessed locally with its web interface by entering its name into the web browser. The IP address of the Solar-Log™ no longer needs to be known unless there are several Solar-Logs on the network. The Solar-Log™ can be accessed directly from a web browser with this address: http://solar-log .			
Additional functions	Record and visualize energy meters. Control of external appliances not possible.		Record, optimize and manage the consumption of self-produced power.	
	Analysis of the Sensor Box Commercial, Professional and Professional Plus			
Solar-Log™ Meter (optional)	-	-	Weather forecast data provided only in combination with the Solar-Log WEB Enerest™ (IDM Heat Pump)	
	-	-	-	Monitoring of central inverters
Solar-Log™ Meter (optional)	-	Current measurements via transformers (extra accessory) up to 2 x 3 phases or 6 single phases		
Support for the Solar-Log™ SCB/SMB	-	-	-	Individual string recording in the Solar-Log™. Alarms only possible with the Solar-Log WEB Enerest™.



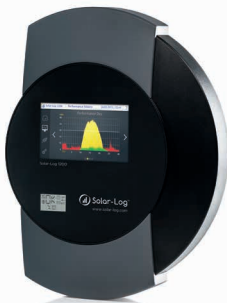
Solar-Log 250

- Maximum plant size 10 kWp with a single inverter
- Entry-level model for professional monitoring of smaller PV plants
- 1 x S₀ In and 1 x RS485/RS422, Ethernet, USB interface
- Record and visualize energy meters



Solar-Log 300

- Maximum plant size 15 kWp, number of Inverters: maximum 100 inverters, just one manufacturer per bus
- 2 x S₀ In, 1 x S₀ Out and 1 x RS485/RS422, Ethernet, USB interface
- Visualization and optimization of self-consumption, as well as controlling and visualizing individual electrical appliances
- Optional Powermanagement



Solar-Log 1200

- Maximum plant size 100 kWp, number of Inverters / Devices: just one manufacturer per bus, total max. 100 INV / devices
- 2 x S₀ In, 1 x S₀ Out, Ethernet, USB interface
- 1 x RS485/RS422, 1 x RS485 and Relay
- Visualization and optimization of self-consumption, as well as controlling and visualizing individual electrical appliances
- Optional Powermanagement

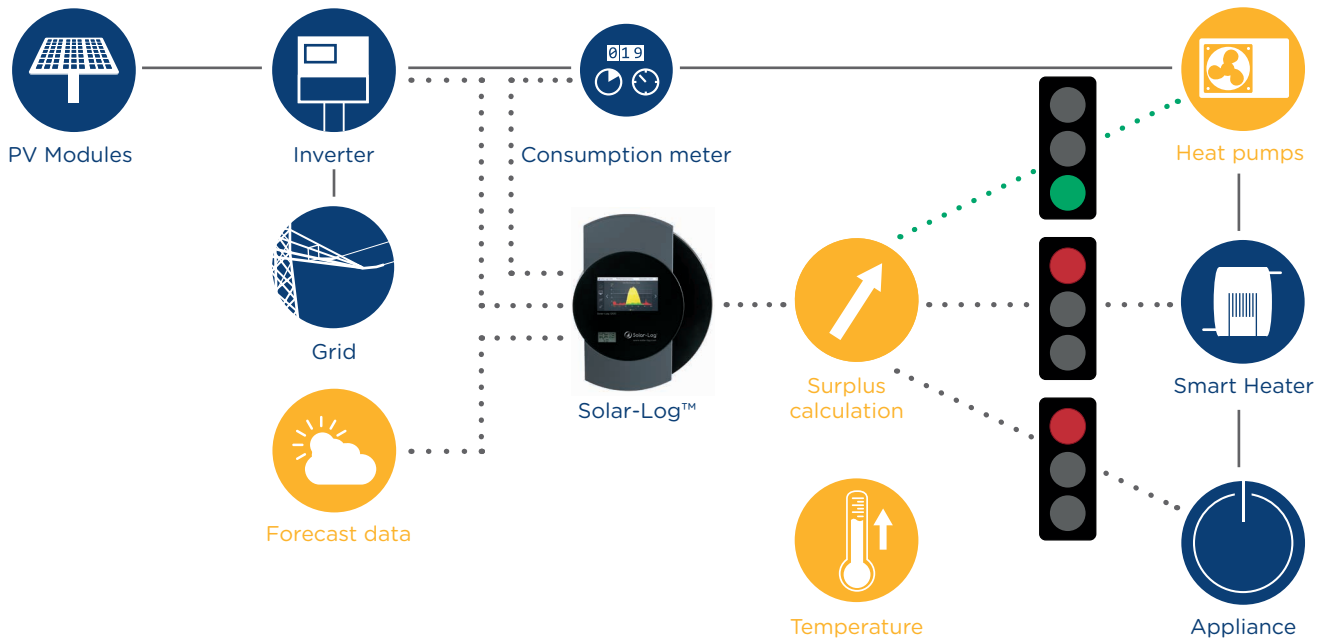


Solar-Log 2000

- Maximum plant size 2000 kWp, number of Inverters / Devices: just one manufacturer per bus, total max. 100 INV / devices
- 2 x S₀ In, 1 x S₀ Out, 1 x CAN
- Standard and PM+: 2 x RS485/RS422 and 1 x RS485
- GPRS and PM+/GPRS: 1 x RS485/RS422 and 1 x RS485
- Visualization and optimization of self-consumption, as well as controlling and visualizing individual electrical appliances
- Supports String Connection Boxes (SCBs) and the Solar-Log™ String Monitoring Box (SMB)
- Optional Powermanagement

Smart Energy with Solar-Log™

You know which heating system is best suited for your customers. Both heat pumps and heating rods provide heating capacity. And we have the robust intelligent control system. The Solar-Log™ coordinates the consumption of power by supplying the appropriate amount of PV power to the right appliance. It can provide both systems with surplus PV power and turn electrical appliances on and off as needed.



Solar-Log™ Functions for Power Management

	Solar-Log 250	Solar-Log 300, 1200 and 2000	Solar-Log 300 PM+ and 1200 PM+	Solar-Log 2000 PM+
Reduction to X percent with or without the calculation of self-consumption ¹⁾	-	●	●	● ²⁾
Remote controlled reduction with or without the calculation of self-consumption ¹⁾	-	-	●	● ²⁾
Reduction to X percent with adjustable fixed reduction	●	●	●	●

1) Only with an additional meter

2) Allocation of self-consumption is not possible when using PM packages or Modbus TCP interface at the same time.

EGO Smart Heater



Heating rods can be easily and quickly installed or upgraded.



When the water temp. drops below 4°C, the heating rod heats the water to prevent freezing (frost protection).



Integrated hardware and software make it possible to control EGO Smart Heaters at different heating levels.



The Solar-Log™ and EGO Smart Heater offer self-consumption optimization and a monitoring system in a single device.

Heat Pump



The switching options of the IDM heat pumps can be optimized by integrating the Solar-Log™ weather forecast.



Energy efficient buildings (i.e. energy-efficient building shell) are especially well suited for this.

Combined Heat and Power (CHP)



The Solar-Log™ records and visualizes the generator power of the CHP and PV plant.



In combination with intelligent electrical appliances, e. g. the EGO Smart Heater, the consumption of power produced by the combined heat and power unit (CHP) is optimized.

Solar-Log™ Smart Relay Station



It is suited for the control of motors and pumps as well as ventilation, drying and air-conditioning systems.

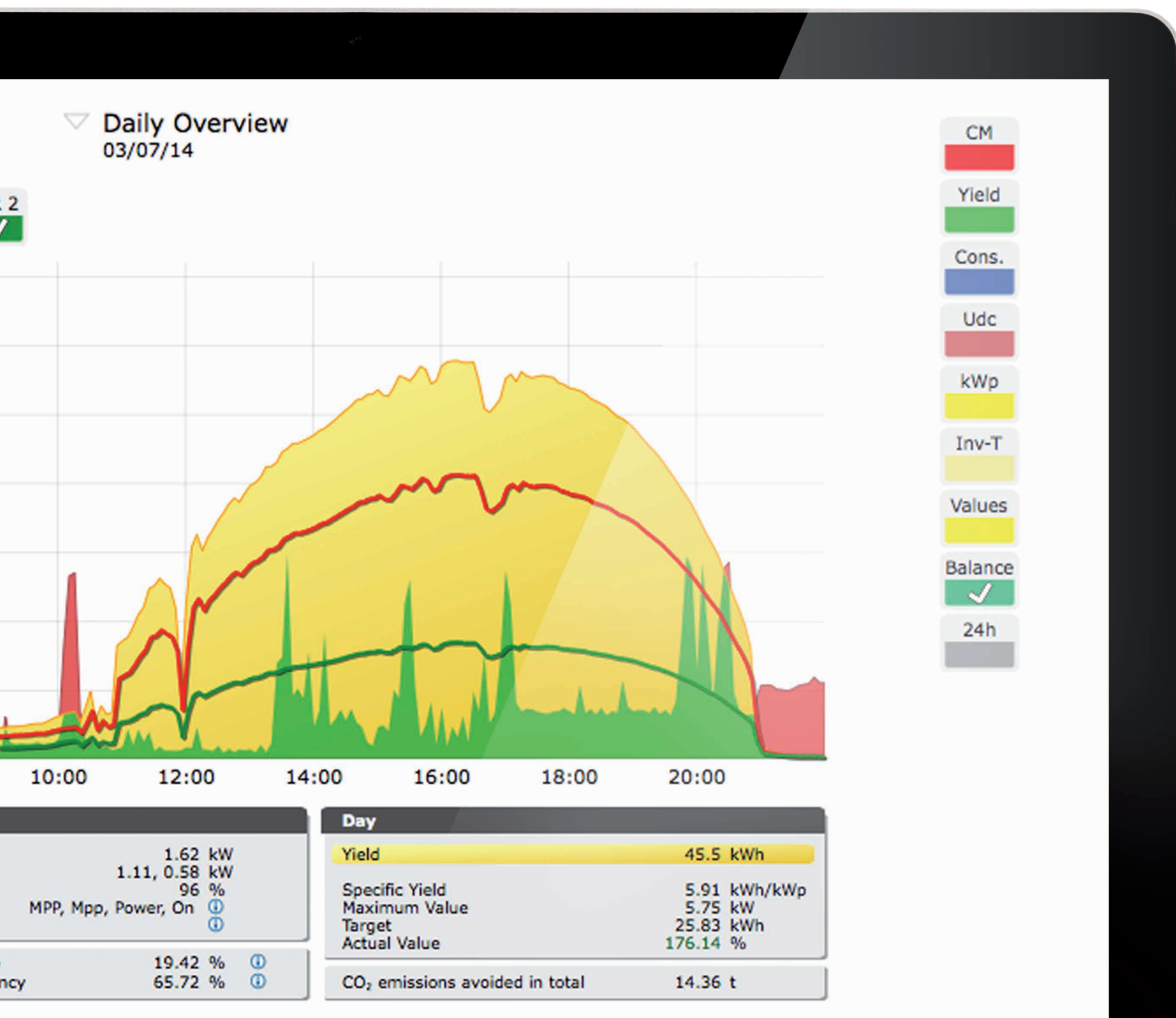


The Solar-Log™ receives a response with the consumption values from each individual relay.

Keeping a close watch on your system: Solar-Log WEB Enerest™

Offer your customers solutions tailored to their specific requirements with Solar-Log WEB Enerest™ M, L and XL. The modular design of the online portal and the classification within the function classes and plant sizes provides greater flexibility and more functionality. The advanced and professional version Enerest XL was specifically designed for installer, project and service companies.

The central control element provides an overview of the presentation options and various functions and settings that can be changed or activated online. The Solar-Log WEB Enerest™ XL is the most ideal solution also for plant owners as all of the data and status notification messages are being received.



Professional Maintenance

Offer your customers “Full Service” plant maintenance without major additional expenses.

Reliable Protection

Offer your customers reliable protection and professional monitoring for their PV investments with the Solar-Log WEB Enerest™ platform.

Efficient Monitoring

The Weather and Reference Data Comparison module facilitates the detection of deviations from the potential power output of the plant and its current production.

Fast Service

Detect, analyze and remedy errors quickly – remotely or by initiating a service call.

Easy Administration

Manage your activities and log all of the error messages in the plant logbook. Yield reports can easily be reported as PDF or CSV file.

Detailed Reports

Inform your customers on a regular basis with easy to read reports, a quick and easy way to offer your customers added value.

Concise Presentation

Visualize your yield and plant data in a descriptive and easy to understand way.

Showcasing your competence

It has never been so easy to promote yourself: the Solar-Log WEB Enerest™ allows you to display your references to customers with customized portal interface.

Solar-Log WEB Enerest™ Details

No basic fees, no long-term commitments

There is no basic fee to use the Solar-Log WEB Enerest™ software platform, just an annual fee per plant when using the modules L and XL. Solar-Log WEB Enerest™ module M is free of charge and available up to 30 kWp.

Solar-Log™ App

You can monitor and visualize several different PV plants with the Solar-Log™ and App. Current and past data is displayed in the form of daily, monthly, annual and total overviews. The CO2 savings from the plant and self-consumption are displayed as well. The data is being stored in the internal cache, so that it can also be displayed without any internet access (suitable for iOS, Android, Fire OS).

Solar-Log™ Dashboard

The Dashboard provides a dynamic display of the plant information in connection with the Solar-Log WEB Enerest™ setup (only L and XL). The following data is visualized: current output, yield history, financial yields, weather data, plant information and environmental contribution. The Data Overview module even makes it possible to display the total yield data from several plants in one Dashboard.



Energy flow: The usage of self-produced power can be visualized with the help of energy flows.



The Solar-Log™ Dashboard shows your PV system performance at a glance - simple and intuitive.

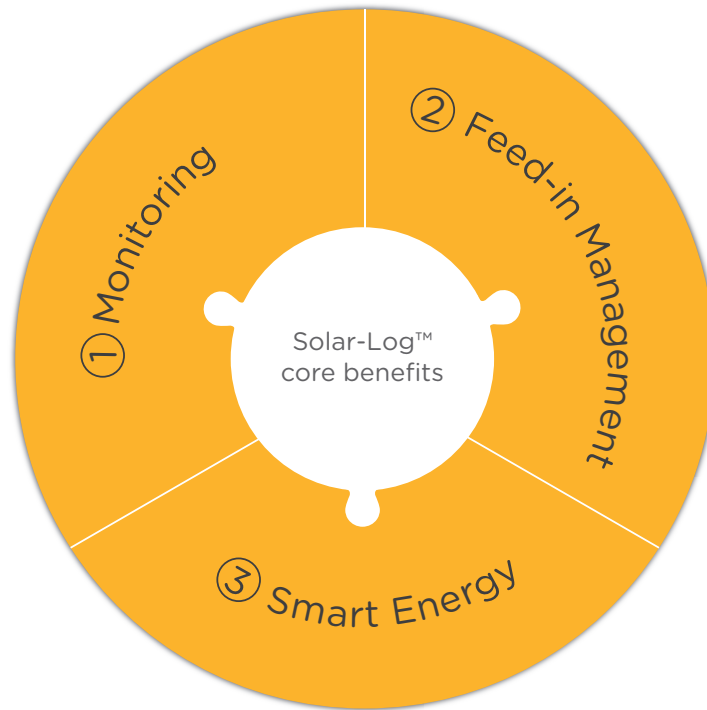
Battery Storage Monitoring

Battery storage systems are becoming more important. They store PV energy when there is a surplus and make it available for later self-consumption. These systems play an essential role in optimizing the consumption of self-produced power. The Solar-Log™ can visualize the battery's charging capacity.



Daily Overview: The battery system is charged when there is a surplus of PV power at the plant (light green) and is used when there is not enough PV power to cover consumption needs, preventing the need to purchase electricity from the grid.

Solar-Log™ and Solar-Log WEB Enerest™
The Perfect Combination



Solution Partners



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Subject to change without notice.

