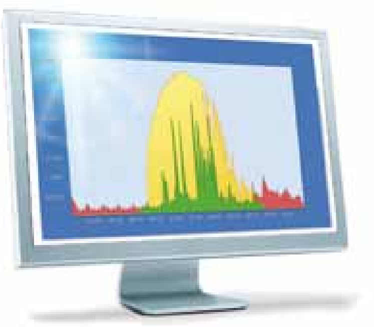
Use all options
Additional security and increased earnings

Solar-Log™ Smart Metering – optimisation of self-produced power

The Solar-Log™ is able to optimize use of self-produced and consumed power. The great advantage lies in the combination of the power NOT sourced externally and the resultant reduction in power costs. This is coupled with additional remuneration for self-produced power. The surplus power can also be directed into the mains supply for remuneration (depending on FIT and other regulations in your country).



Solar-Log^{1000} even offers the capability of using self-produced power at precisely the times at which sufficient electricity is being generated – by engaging up to four consumers (e.g. laundry machine) and switching them off when necessary.

Solar-Log$^{200/1000}$ GPRS

Instead of using the external GPRS modem from the accessories as it has previously been the case for Solar-Log^{1000}, the Solar-Log^{1000} and the Solar-Log^{200} can now be ordered with an integrated modem. The benefit: the modem and, in particular, the SIM card are installed within the device - well protected and safeguarded against theft.

Solar-Log$^{200/500/1000}$ WiFi

Today, connections between data loggers and the internet are generally made by network cables that are connected to a router. However the often time-consuming and expensive laying of cables can now be avoided due to the WiFi data networks that are often already available in homes and offices. We offer all Solar-Log™ data loggers with a WiFi module as an option. If the signal is weak, the use of a WiFi repeater may be required.

Solar-Log™ is compatible
with almost all common inverter manufactures:

AEG Power Solutions, Albatech, alpha, AROS Solar Technology, ATEN, Carlo Gavazzi, CHINT Power, Conergy, Converteam, Danfoss, Delta, Diehl AKO, Eaton, Effekta, enfinity, Europa-Solar AG, Ever Solar, evoco energy, Fronius

GE, Growatt, Helios Systems, Hyundai Heavy Industries Co., Ltd., Ingeteam, Kaco new energy, Kostal, Mastervolt, Mitsubishi Electric, Motech, Oelmaier Technology, Omron, pairan, PCM Powercom, Power-One, REFUsol, Salicru Equinox

Samil Power, Santerno Carraro Group, Schneider Electric, Siel Energy & Safety, Siemens, SMA Solar Technology, Socomec, SolarMax, Solutronic AG, Steca Elektronik, Sungrow, Sun Tension Photovoltaic Systems and Components, Sunways Photovoltaic Technology, Sustainable Energy Technologies, Vaillant, Valenia, Voltwerk, Winaico, zentralsolar deutschland

IDS, Schüco

More in preparation

Made in Germany Solar-Log · TÜV Nord Baumuster geprüft

successful certificated by TÜV Rheinland*
*Solar-Log^{1000} PM+ / Solar-Log™ Utility Meter / SMA Tripower 10000TL-10

ÖkoZert · ISOZert · Solar Awards Winner 2011 · OTTI

Your Solar-Log™ benefits
at a glance:

- Automatic detection of a drop in system power or breakdown
- System error notification by e-mail and text message
- Yield analysis locally and over the Internet
- Compatible with most inverters available on the market today
- Monitoring and optimising*) of consumption of self-produced power
- Solar-Log™ APP for quick and easy monitoring
- Full service monitoring option from your installation engineer

*) only Solar-Log^{1000}

"My installer monitors and maintains my system remotely using Solar-Log™. I regularly receive a detailed report. I don't have to worry about it. I just think about my investment."

(K.Struck from Munich)

Maintenance and monitoring

Trust the skills of your solar partner who monitors and maintains your system for you regularly. He receives all status and error messages from the system and informs what to do. You will also receive all access data to view the yields from your system over the Internet.

More information www.solar-log.com

Your authorised dealer

Solare Datensysteme GmbH | Fuhrmannstraße 9 | D - 72351 Geislingen – Binsdorf

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Solar-Log™
by Solare Datensysteme GmbH

MAXIMIZED SUNPOWER

Photovoltaic system monitoring

Energy is expensive. Time is too.

EN

Put less time and energy
into your own power station

You have a PV system and typically sell the produced energy to your energy supplier.

A good investment

- But how much time and energy do you spend on monitoring this system?
- How do you know whether the system is actually producing the power you are reckoning on?
- What happens if you are not on site and so can not check the power meter?

Always expect the unexpected

- Breakdowns and, in particular, drops in power are often not noticed at all with solar power plants or not until weeks have passed.
- If such a breakdown occurs when it is very sunny, the loss in yield is even higher for you.

A solution that pays

The Solar-Log™ monitors the power production for you and informs you about system breakdowns or a drop in power within a few minutes. And so, losses in yield can be detected quickly and avoided. The Solar-Log™ system pays for itself after a very short time.

System data on Solar-Log™ WEB

Professional monitoring – locally and on the Internet

Solar-Log^{1000}

Solar-Log^{500}

Solar-Log^{200}

Standard equipment:

The Solar-Log™ data logger

The Solar-Log™ can be connected directly to your inverter and monitors its operation permanently. Solar-Log™ works with most inverter manufacturers available on the market today.

Just incorporate your Solar-Log™ into your domestic network. The data and possible errors can easily be evaluated and detected using your own PC with the web interface integrated into the Solar-Log™. If there are errors, you are informed automatically from your Solar-Log™ by e-mail or text message.

Equipped for all requirements

Solar-Log™ units are available in different versions: for systems with one, up to 10 or up to 100 inverters, with touch screen or control buttons, with Bluetooth, Powermanagement, WiFi or GPRS.

Additional function:

Solar-Log™ WEB

For monitoring plants via the internet, we offer three different operational levels, each with a matching range of services to meet every level of requirements. The Solar-Log™ WEB extends the monitoring function of your Solar-Log™. You have extensive analysis options. For example, yields can be compared with systems in your environment or with yields from previous months and previous years. These can be accessed easily over the Internet from any web-enabled PC.

Solar-Log™ APP – for iPhone, iPad

Use your APP to check your system any time and from anywhere in the world.

The Sensor Box faster and more sensitive

Your monitoring will be even more effective with the Sensor Box. The sensor provides comparison irradiance with which the Solar-Log™ detects even faster whether there are problems with your system and informs you.

"My inverter broke down after three years. I only noticed it on the power supply company statement at the end of the year. As a result, I had high yield losses. Now I have a Solar-Log™ system monitoring unit and do not have to worry about this anymore in future."

(P. Schwarz from Balingen)

Solar-Log™ WEB – yield data with several inverters

Graphic presentation

Daily overview:

1. Represents the power production.
2. Shows the power which is obtained from energy suppliers.
3. Represents the power which is produced and consumed.
4. Shows the progression of the actual yield as well as the target yield.
5. Generator Power Pdc: the feed-in output P which the panels currently provide.
6. Status / Error: Status codes and error codes for inverters from different manufacturers
7. Yield: The yield for the period of time shown (day, month, year and overview of all years).
8. Maximum value: The maximum output value with the period of time shown.
9. Solar-Log™ runs a forecasting statistics function that specifies a certain target value for each time period.
10. Actual: The actual value shows the percentage share for the actual yield and the target yield.