



One-Stop Service:
Monitoring and Managing.

Monitoring and Managing with the World Leader

The highest quality for your customers: Solar-Log™ devices are the most precise and reliable data loggers on the market. Offer your customers high-quality products and top-of-the-line service. Our path to success: distinguishing ourselves with “Made in Germany” quality. Our goal: Maximized Sunpower.

Reliable Monitoring

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

Intelligent Control

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Solar-Log™ not only monitors PV plants, it is also the leader when it comes to controlling the consumption of self-produced power. Simple and automated functions help you to get the most out of your customer’s photovoltaic plants.



Solar-Log 2000

Superior Quality

We provide our customers world-wide with state-of-the-art solar energy system solutions.

Creative Innovations

Our recipe for success is always staying a step ahead of the market with new ideas and innovations that get worked into our new Solar-Logs.

Convenient All-In-One Solutions

Unrivaled simplicity: Our all-in-one solutions save you time and effort by eliminating the need to master several systems.

Using Power More Effectively

Plants can be limited to any value at the network connection point. With Smart Timing, the power from the photovoltaic plant can be consumed directly, allowing customers to take rising electricity prices in stride.



Solar-Log™ devices in detail

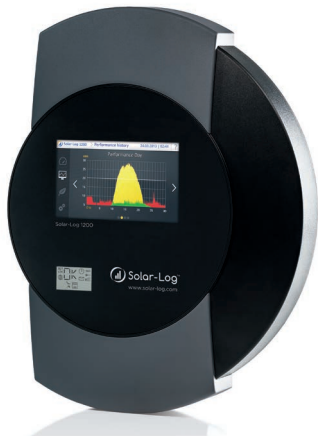
Every Solar-Log™ device can be customized to the needs of your customers. From families with a PV system on their roof to investors with solar power stations.

Top Features	Solar-Log 300	Solar-Log 1200	Solar-Log 2000
LCD-Status-Display	Displays the current status during installation and normal operations.		
Easy Installation	Installation is possible without PC and installation expertise.		
Network recognition	Automatic search for the DHCP server and assignment of a valid IP address on the local network.		
Local network accessibility	Registration is done with its name. 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	Monitoring, optimization and managing of self-consumption with a fixed regulation of active power including the calculation of self-consumption.		
Support for the Solar-Log™ SCB/SMB	Evaluation of Sensor Box Commercial data		
Solar-Log™ Meter	-	-	Monitoring of central inverters
Solar-Log™ PM+ functionality	-	-	Individual string monitoring
	Monitoring, feed-in management and power meter		
	Monitoring large plants with the support of the Solar-Log 2000 or Solar-Log 2000 PM+ with active power reduction and reactive power control along with response signals.		
	Remote controlled active power reduction and reactive power adjustments		



Solar-Log 300

- Perfectly suited for small domestic installations
- Maximum plant size 15 kWp, number of inverters: unlimited from a single inverter manufacturer
- $2 \times S_0 - In$
- 1 x RS485/RS422
- LCD-Status-Display
- Possible to monitor, optimize and manage the consumption of self-produced power
- Optional Powermanagement



Solar-Log 1200

- Suited for small domestic installations and medium-sized plants
- Maximum plant size 100 kWp, number of inverters: unlimited from any* two inverter manufacturers
- $2 \times S_0 - In$
- 1 x RS485/RS422 and 1 x RS485
- LCD-Status-Display
- Color TFT-Touch-Display for displaying graphics and operation
- Possible to monitor, optimize and manage the consumption of self-produced power
- Optional Powermanagement



Solar-Log 2000

- Suited for solar power stations and large-scale PV plants
- Maximum plant size 2000 kWp, number of inverters: unlimited from any* three inverter manufacturers
- $2 \times S_0 - In, 1 \times CAN$
- Standard and PM+: 2 x RS485/RS422 and 1 x RS485
- GPRS and PM+/GPRS: 1 x RS485/RS422 and 1 x RS485
- LCD-Status-Display
- Color TFT-Touch-Display for displaying graphics and operation
- Monitor central inverters and SCBs
- Optional Powermanagement and cos phi control

* SDS supported inverters

Benefits and Highlights of the new Solar-Log™ data loggers

The Solar-Log™ sets new international standards when it comes to monitoring and managing photovoltaic plants. Maximize your customers' consumption of self-produced power in no time while keeping an overview to maintain fault-free operations.

Solar-Log™ Functions for Powermanagement		Solar-Log 300 Solar-Log 1200	Solar-Log 300 PM + Solar-Log 1200 PM +	Solar-Log 2000
Active power	Reduction to X percent with or without the calculation of self-consumption	●	●	●
	Remote controlled reduction with or without the calculation of self-consumption	-	●	●
	Fixed value cos phi shift factor	●	●	●
	Fixed reactive power in Var	●	●	●
Reactive power	Variable cos phi shift factor over characteristic curve P/Pn	●	●	●
	Remote controlled fixed value cos phi shift factor	-	●	●
	Remote controlled switch between fixed and characteristic curve P/Pn	-	●	●
	Remote controlled switch between fixed and characteristic curve Q(U)	-	-	●
	Variable reactive power via characteristic curve Q(U) (only with Utility Meter voltage measurement)	-	-	●
	Controlled factor at the feeding point (only with Utility Meter current and voltage measurement)	-	-	●
Interfaces	Connection for two ripple control receivers	-	●	●
	PM Package Flexible interface for remote control technology Inputs: max. 4 analog and 9 digital Outputs: max. 3 analog and 10 digital	-	-	●
	Modbus TCP interface for a direct connection to remote control technology	-	-	●
	Solar-Log™ Master-Slave network	-	-	●

* allocation of self-consumption is not possible when using PM Package or Modbus TCP interface at the same time.



Keep every interruption under control

Stay on top with the Solar-Log™ WEB “Commercial Edition” as well as the Solar-Log 1200 and 2000 with Color TFT-Touch-Display. The touch screen allows easy on-site operation.



Wireless communication

Solar-Logs are easily connected to the internet via WiFi and GPRS. Easily connect SMA inverters with Bluetooth. This ensures wireless communication via internet wherever the devices are located.



Save time and costs with remote servicing

Access from anywhere: since the data is stored online on the Solar-Log™ servers, it is available at any time. The initial configuration and any later changes to the settings can be carried out from the comfort of your office with Solar-Log™ WEB “Commercial Edition.”



One system for all plants

With the Solar-Log™ WEB “Commercial Edition”, you have access to all your plants. You have limitless possibilities to custom design the platform for your customers. Predefined templates make it possible to customize the appearance to match the customer’s corporate design.



Quick and simple installation

The installation and initial setup of the data logger is quick and simple with “Easy Installation”. The inverter detection and the internet log-on takes places immediately and automatically, and the installation status is shown on the LCD-Status-Display.

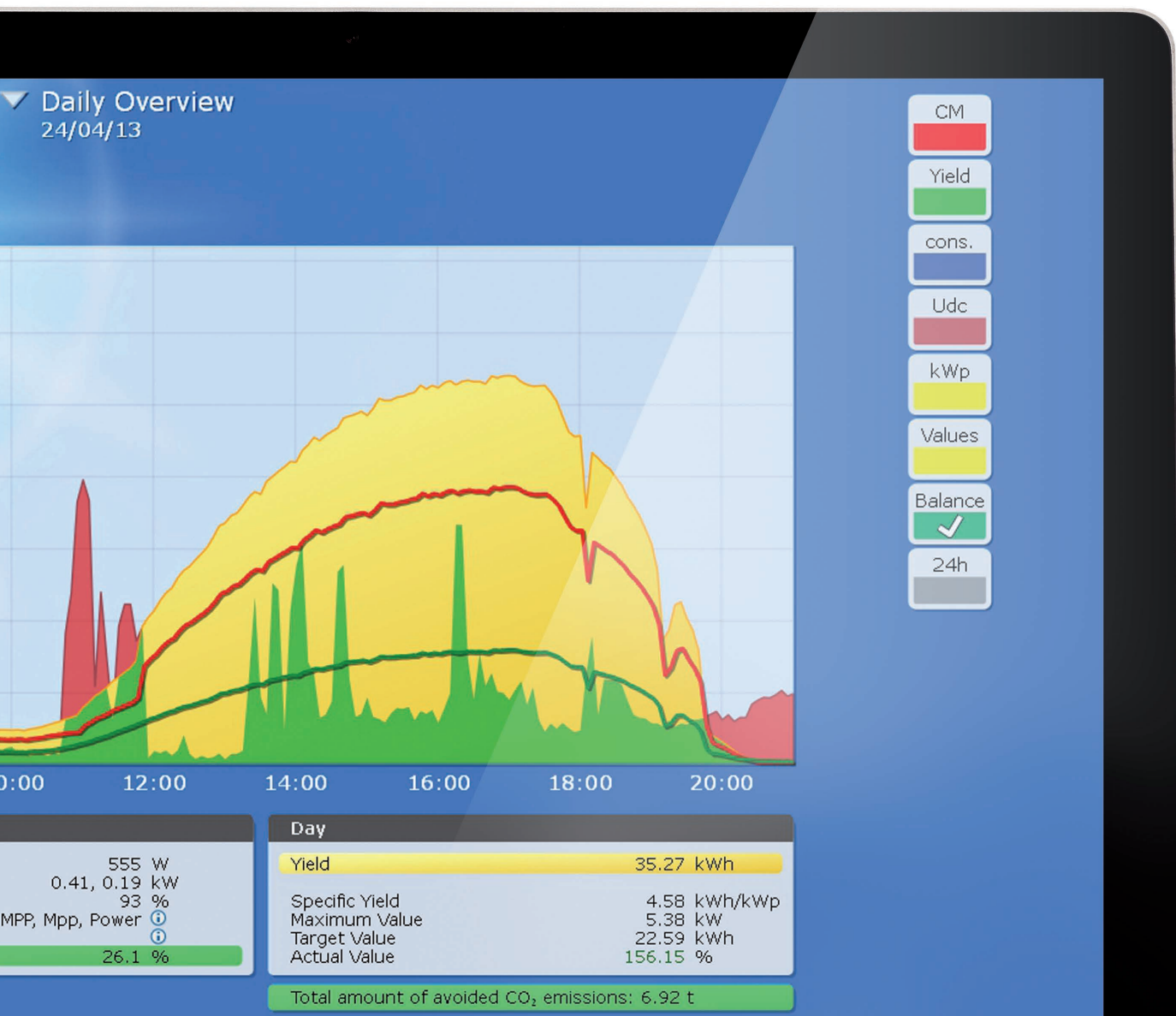


Accessories

The Solar-Log 300, 1200 and 2000 can be updated with various products. All needs can be met - from surge protection, connecting diverse inverters to sensors. We leave nothing to be desired. For more information: www.solar-log.com

Keeping control: Solar-Log™ WEB “Commercial Edition”

The Solar-Log™ WEB features concise presentation options that can be accessed online. The Solar-Log™ WEB “Commercial Edition” is also a central control element that allows remote adjustment of settings and activation of functions.



Professional Maintenance

Offer your customers "Full-Service" plant maintenance without major additional expenses.

Effortless Installation

Add and configure plants quickly and easily into Solar-Log™ WEB "Commercial Edition."

Efficient Monitoring

With the Solar-Log™ WEB "Commercial Edition", you can review the status of all monitored plants at a glance.

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 are easy to create in PDF or CSV files.

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.

Details of the Solar-Log™ WEB

Solar-Log™ WEB “Commercial Edition”

The Solar-Log™ WEB “Commercial Edition” has been developed for installers, portal operators and service providers. With the help of the online platform, you can offer plant owners comprehensive professional monitoring. For the plant owner, this is the simplest and safest way since all of the installation and monitoring will be professionally handled.

Solar-Log™ Dashboard

The Dashboard is a new feature with the WEB “Commercial Edition,” and it displays important information for a plant such as yields, CO₂ savings and plant performance at a glance.

Upgrading to Solar-Log™ WEB “Commercial Edition”

Separate portals, central administration: service providers, project companies or investors have the option to administer several WEB Commercial portals at the same time with the comfort of a single operator interface.



The overview option impressively displays the overall performance, the total yield or the amount of CO₂ emissions that have been avoided.



The data sheet provides an overview of the most important plant data such as location, performance and inverter details.

No basic fees, no long-term commitments

There are no annual basic fees for the use of the software, there is just an annual fee per PV plant. Every plant can be initially monitored 30 days without obligation before plant specific charges arise.

Showcasing your competence

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



Ten reasons why your customers should use Solar-Log™ and Solar-Log™ WEB "Commercial Edition" as part of your services:

- 1 Reliability and maximum output during the entire service life.
- 2 Regular reports on the investment.
- 3 Always have remote access to easy-to-read data with the iPhone-APP and Android-APP.
- 4 Power-reducing errors are immediately corrected.
- 5 Service reports log all errors in the Solar-Log™ WEB "Commercial Edition."
- 6 Long-term losses in yields due to undetected defects are completely eliminated.
- 7 Peace of mind also when away on business trips, vacations, etc.
- 8 No expensive and unnecessary service calls.
- 9 Keep warranty-relevant maintenance requirements.
- 10 Keeping an eye on one's own plants online: intuitive, quick, simple.



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