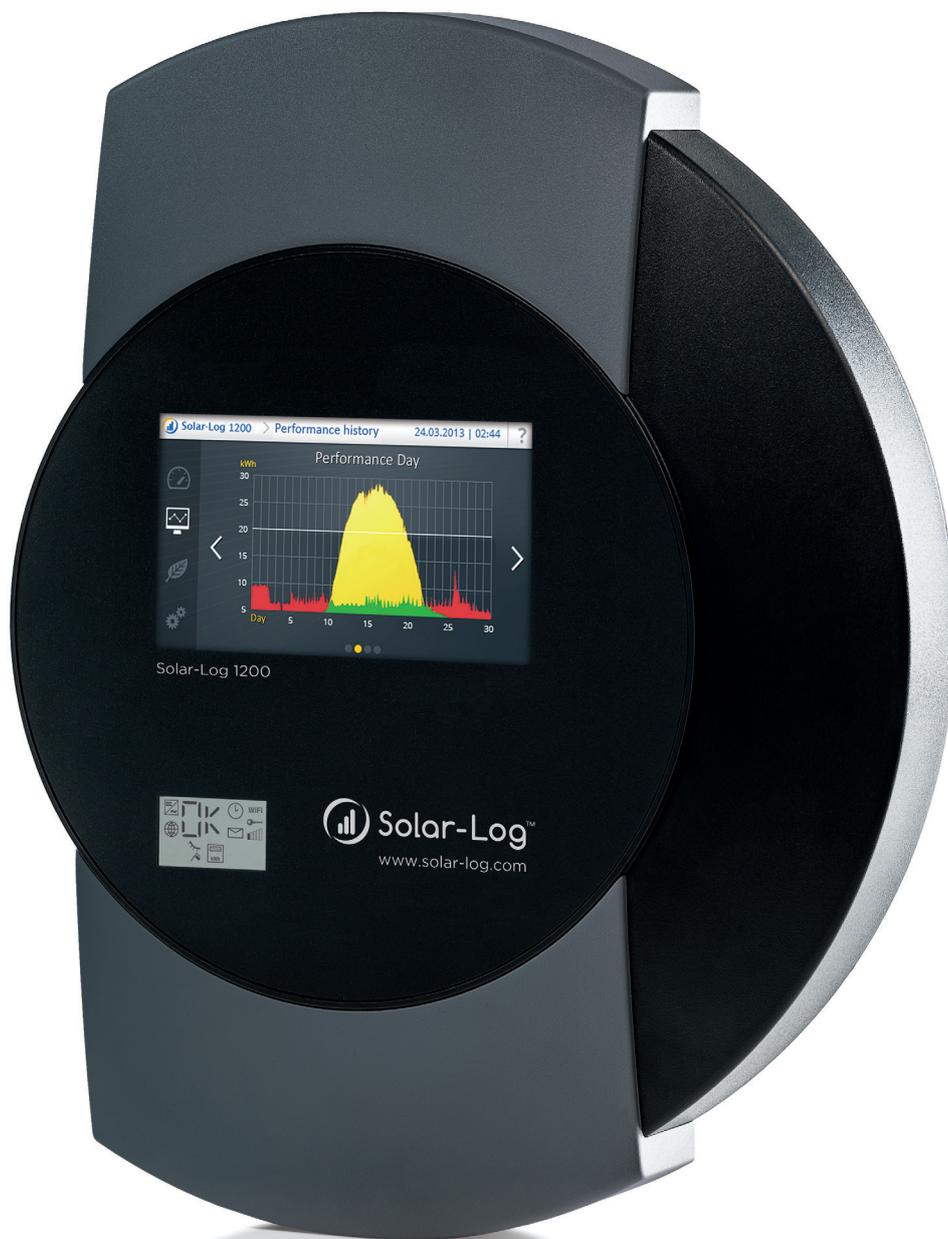Solar-Log™

Maximum plant size 100 kWp

Optional Powermanagement

New: Color TFT-Touch-Display and LCD-Status-Display for displaying graphics and operation

Possible to monitor, optimize and manage the consumption of self-produced power

Solar-Log 1200

Solar-Log™
www.solar-log.com

Solar-Log 1200

For small domestic installations and medium-sized plants

Connections

Inverters

The Solar-Log 1200 is compatible with all the major inverters. It can be connected to an unlimited number of SDS supported inverters from any two manufacturers with a maximum total power of 100 kWp.

Interfaces

The Solar-Log™ has an RS485/RS422 and an RS485 interface.

Sensors RS485

The sensors measure irradiation, temperature and wind speed. However, they cannot be combined with every inverter manufacturer.

Meter S_0-in or RS485

The meter records your consumption data, can serve as an inverter or measures the power from incompatible inverters.

RS485 or S_0-out

Connect large displays to obtain an overview of your data.

Ripple Control Receiver

The signal to reduce active power is generally sent via a Ripple Control Receiver. Up to two Ripple Control Receivers can be connected to the 1200 PM+, one for power reduction and one for reactive power control.

Solar-Log 1200 USB connection and Data Export

A USB stick can be connected to manually install new firmwares with additional inverter support or new functions, or to transfer quick and secure backups and other data.

Visualization

TFT-Touch-Display

You can operate Solar-Log™ directly on the device and display yield reports as graphs on the high-quality color TFT-Touch-Display.

Solar-Log™ WEB

The Solar-Log™ WEB "Commercial Edition" online portal expands the monitoring function of the Solar-Log™ and offers comprehensive monitoring reporting options in the form of graphs and tables via the internet.

Solar-Log™ APP

You can access your data and graphical reports at any time from anywhere in the world with the Solar-Log™ APP.

Solar-Log™ Dashboard

A feature with the WEB "Commercial Edition" is that the Dashboard displays all important information for a plant such as yields, CO_2 savings and plant performance.

Solarfox® large display and external displays

A large display used in combination with the Solar-Log™ can visually present the live data from a PV plant. You can also add personalized advertisements. External displays can be connected via the RS485 or S_0 interface.

Accessing the Solar-Log™

The Solar-Log™ is operated from a PC with any standard web browser via the TFT display. Remote access is possible with the WEB "Commercial Edition".

Options

Solar-Log 1200 GPRS

Solar-Log 1200 GPRS is the alternative to an external GPRS modem, allowing the data logger to be connected to the network. A GPRS connection is especially suited to freestanding plants or buildings which do not have a usable internet connection available.

Solar-Log 1200 WiFi

The Solar-Log 1200 WiFi allows you to connect the Solar-Log™ to any available WiFi network. This saves cables, installations time and reduces labor costs.

Solar-Log 1200 Bluetooth

This data logger is equipped with a Bluetooth module and allows wireless connection to a maximum of seven SMA BT inverters.

Solar-Log 1200 PM+

The PM+ product line implements the feed-in and network safety management. It covers the entire spectrum of requirements for active and reactive power, e.g. the German Renewable Energy Law 2012 (EEG).

Solar-Log 1200 Meter

The Solar-Log™ Meter makes it possible to monitor a PV plant completely and to measure its power consumption with just one device. With 2 x 1 to 3-phase current measurements, it determines the active power for production and self-consumption.

Functions

Solar-Log™ Easy Installation

The installation and initial setup start automatically. The inverter detection and the internet log-on starts immediately. The installation status is shown on the LCD display. Any subsequent manual configurations of the Solar-Log can be performed conveniently from a PC via the WEB interface. Easy Installation is compatible with the Solar-Log™ WEB "Commercial Edition" and "Classic 2nd Edition".

Self-consumption

The Solar-Log 1200 offers the option to measure the amount of self-produced power consumed and to present it graphically via the Solar-Log™ WEB. A digital power meter serves as a consumption meter. Thanks to the new Solar-Log™ Meter, no additional electricity meter is needed as it is already integrated in the device.

Daily summary with presentation of yield and power consumption balance, drawing down power (red), power production (yellow), consumed power (green).

Cable cover

With its attractive design, the cable cover for the Solar-Log™ offers the best possible mechanical protection for interfaces and cables.

Data security

The data volume from the Solar-Log™ can be recorded for up to 20 years. The micro SD card is used to protect against any loss of data in the event of a power failure.