Solar-Log™

Maximum plant size 15 kWp

Optional Powermanagement

Monitor, optimize and manage
the consumption of
self-produced power

Dynamic LCD-Status-Display

Solar-Log 300

For small domestic installations

Connections

Inverters

The Solar-Log 300 is compatible with all the major inverters. It can be connected to an unlimited number of inverters from one manufacturer with a maximum total power of 15 kWp.

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. This can be connected directly to the Solar-Log 300 PM+ to control the power of the PV plant.

Solar-Log 300 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 backups and other data.

Visualization

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.

Solar-Log™ Dashboard – displaying PV plant performance at a glance.

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 and via the TFT display. Remote access is possible with the WEB "Commercial Edition".

Options

Solar-Log 300 GPRS

Solar-Log 300 GPRS is the alternative to an external GPRS modem, allowing the data logger to be connected to the data network simply and securely. A GPRS connection is especially suited to free-standing plants or buildings which do not have a usable internet connection available.

Solar-Log 300 WiFi

The Solar-Log 300 WiFi allows you to connect the Solar-Log™ to any available WiFi network. This saves cables, installations time and reduces labor costs.

Solar-Log 300 Bluetooth

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

Solar-Log 300 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 300 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 300 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.

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.