Solar-Log™

Maximum plant size 15 kWp

Optional Powermanagement

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

Dynamic LCD-Status-Display


| Options | Standard | PM+ | GPRS | PM+/GPRS | Meter |
|---|---|---|---|---|---|
| | ● | ● | ● | ● | ● |
| Article number | 255574 | 255579 | 255575 | 255581 | 255582 |

# Solar-Log 300

For small domestic installations

## Functions

### Solar-Log™ Easy Installation

The inverter detection and the Internet logon start immediately. The installation status is shown on the LCD-Status-Display. The manual configuration of the Solar-Log™ can be performed via the WEB interface. Easy Installation is compatible with the Solar-Log™ WEB “Commercial Edition” and “Classic 2nd Edition”.

### Smart Energy

Self-consumption can be measured and displayed as a graph with an energy meter. Smart Energy logics activate and deactive individual appliances depending on the amount of available energy.

## Connections

### Inverters

A maximum of 100 inverters (just one manufacturer per bus), maximum plant size 15 kWp.

### Inverter interface

Inverters can be connected via an RS485/422 interface or an Ethernet connection.

# Solar-Log 300, 1200 and 2000

## Common features

### Functions

#### Local monitoring

Local graphical reports via web browser.

#### LCD-Status-Display

Status display for installation and operations.

#### Smart Energy

Recording and presentation of self-consumption control and visualization of individual appliances for the optimization of self-consumption.

#### Feed-in management

Reduction of feed-in power with a dynamic allowance for self-consumption.

### Display Options

#### Solar-Log™ WEB

The Solar-Log™ WEB “Commercial Edition” online portal expands the presentation and monitoring functions of the Solar-Log™ and offers comprehensive 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 free Solar-Log™ APP.

#### Solar-Log™ Dashboard

The Dashboard is a feature of the Solar-Log™ WEB “Commercial Edition” that displays all important information for a plant such as yields, $CO_2$ savings and plant performance.

#### Solarfox® large and external display

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

## Connections

### Inverters

The Solar-Log™ is compatible with inverters from all major manufacturers.

### Sensors RS485

The sensors measure solar irradiation, temperature and wind speed. They can even be combined with some inverters on an RS485 bus.

### Meter $S_0$-In or RS485

The meter can record your consumption data or serve as an inverter and measure the power from incompatible inverters. In addition, batteries can be visualized via meters.

### RS485 or $S_0$-Out

Connect a large external display to gain an additional overview of the data.

### Solar-Log™ USB connection and data export

A USB stick can be connected to manually install new firmwares with new functions or to transfer backups and other data.

### Ripple Control Receiver

The signal to reduce active power is generally sent via a Ripple Control Receiver or remote control technology. Up to two Ripple Control Receivers can be connected to the Solar-Log™ PM+, one for power reduction and one for reactive power control.

### Ethernet / Speedwire*

The Solar-Log™ models can be connected to compatible inverters with an Ethernet connection. SMA inverters can be connected directly to a regular network infrastructure with SMA's own Speedwire protocol. The SMA inverter only has to be connected to an Ethernet switch or router.

## Additional Functions

### 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 record 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.



*In many countries, the designation "Speedwire" is a registered trademark of SMA Solar Technology AG.