

Maximum plant size 100 kWp\*

Optional Powermanagement

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

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



Options	Standard	PM+
	●	●
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# Solar-Log 1200

For Small Domestic Installations and Medium-Sized Plants

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## Functions

### Solar-Log™ Easy Installation

The installation and initial setup is automatic. The inverter detection and the Internet registration 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 Solar-Log WEB Enerest™ meaning that the Solar-Log™ will automatically connect to the portal.

### Smart Energy

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

## Display Options

### TFT-Touch-Display and access to Solar-Log™

The Solar-Log™ can be operated from a computer with a web browser or directly via the device's TFT-Touch-Display. The graphical reports of yield data are visualized on the color TFT-Touch-Display and via the web browser.

## Connections

### Inverters

Just one manufacturer per bus, maximum plant size 100 kWp\*.

### Inverter Interface

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

## Licenses

Detailed information on expansion license to 250 kWp\*, FTP license as well as the advanced options of the Solar-Log™ are described on page 95 and 96.

# Solar-Log 300, 1200, 1900 and 2000

## Common Features

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### Functions

#### 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 Enerest™

The Solar-Log WEB Enerest™ online portal expands the presentation and monitoring functions of the Solar-Log™ and offers comprehensive reporting options in the form of graphs and tables.

#### The App for Solar-Log WEB Enerest™

This app offers users comfort and security with its structured operating concept, intuitive controls, modern features and interactive graphics. The app is available for free from the app store.

#### Solar-Log™ Dashboard

The Dashboard is a feature of the Solar-Log WEB Enerest™ L and XL that displays all important information for a plant such as yields, CO<sub>2</sub> 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<sub>0</sub> 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<sub>0</sub>-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<sub>0</sub>-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 for safe and quick manual installations of new firmware updates, configurations, and backups. The backup and configuration can be exported as a file via USB.

### 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

### Protection for the Interfaces and Cables

The cable cover for the Solar-Log™ offers the best possible mechanical protection for interfaces and cables as well as an attractive design.

### Data Security

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