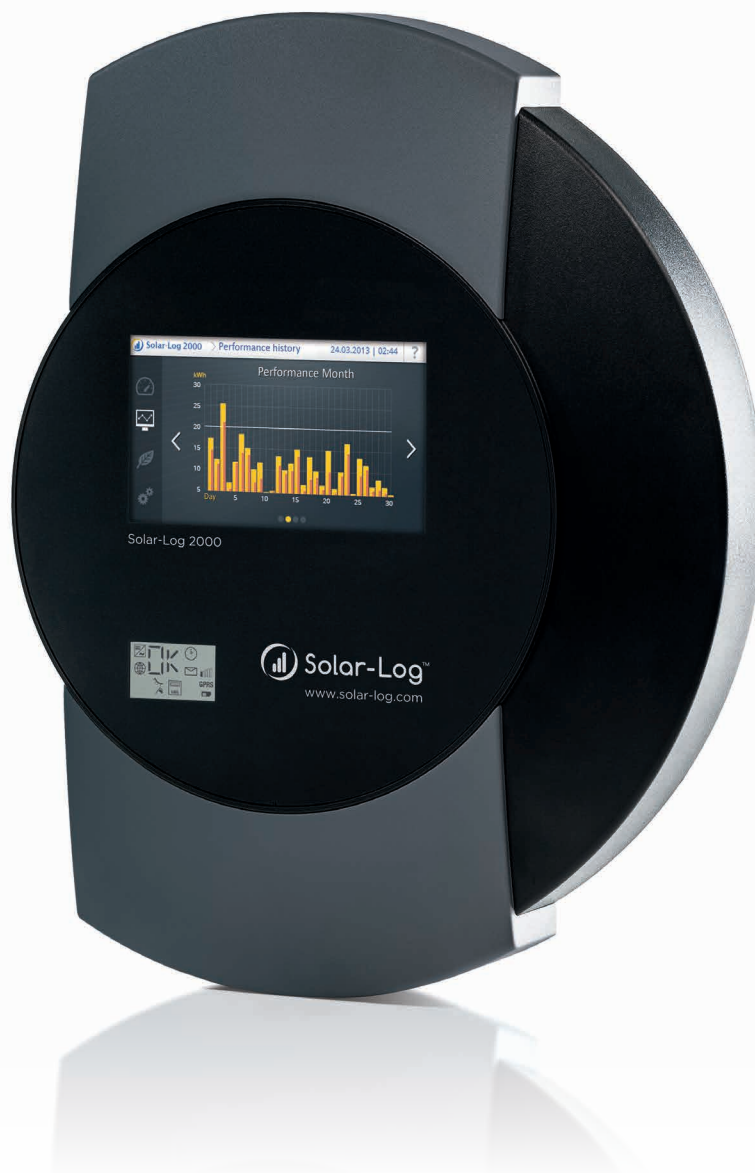


Maximum plant size 2000 kWp

Optional Powermanagement  
and cos phi control

Color TFT-Touch-Display and LCD-  
Status-Display for displaying gra-  
phics and operation

Monitor central inverters and SCBs



Options	Standard	WiFi	PM+	PM+/WiFi	GPRS	PM+/GPRS	Meter
	●	-	●	-	●	●	-
Article number	255592	-	255594	-	255593	255595	-

# Solar-Log 2000

For solar power stations and large-scale PV plants

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## Functions

### Self-consumption

The Solar-Log 2000 offers the option to measure the amount of self-produced power consumed and to present it graphically via the Solar-Log™ WEB “Commercial Edition”. An additional power meter serves as a consumption meter.

### Solar-Log 2000 alarm function

This provides your plant with anti-theft protection and an external alarm against burglars and vandals.

## 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. Remote access is possible with the Solar-Log™ WEB “Commercial Edition”.

## Connections

### Inverters

Number of inverters / devices just one manufacturer per bus, total maximum 100 inverter / devices, maximum plant size 2000 kWp.

### Interfaces

The interfaces can be used to connect inverters (up to two different manufacturers) and accessories such as Utility Meter, Pyranometer and SCBs. The Solar-Log 2000 Standard and Solar-Log 2000 PM+ have two RS485/RS422 interfaces and one RS485 interface. The Solar-Log 2000 GPRS and Solar-Log 2000 PM+/GPRS have one RS485/RS422 and one RS485 interface.

## Options

### Solar-Log 2000 PM+ & Solar-Log™ Utility Meter

Combining the Solar-Log 2000 and Utility Meter simplifies implementation of the diverse requirements for powermanagement in Germany. The voltage-dependent reactive power control, Q(U) function, is accomplished by measuring the medium voltage with the Utility Meter. The combination of the Solar-Log 2000 and Utility Meter is also needed to send a confirmation of the current amount of feed-in power to the grid operator.

### Solar-Log 2000 & PM-Package

For plants larger than 100 kWp, remote control of the reactive power supply and power limitations are required along with a confirmation of the current amount of feed-in power.

In practice, each grid operator stipulates its own signalization variant in the technical connection requirements (TAB). To fulfill the requirements from a particular grid operator, Solare Datensysteme offers a grid company specific PM-Package. This package includes hardware that is adjusted to a company's remote control technology and profile file.

### String Connection Box (SCB) or String Monitoring Box (SMB)

When used with the Solar-Log™ WEB "Commercial Edition" and either the SCB or SMB, the Solar-Log 2000 monitors every single string, ensuring the most complete and secure monitoring for large-scale PV plants with exact error identification and localization.



**Feed-in management - feed balance:** The times when there was a grid feed and when electricity was purchased from the grid can be seen at a glance in this graph. Negative values indicate that electricity was purchased from the grid and positive values that there was grid feed.

# Solar-Log 300, 1200 and 2000

## Common features

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### 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 WEB “Commercial Edition” 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 $S_o$ -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 $S_o$ -Out

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

### Solar-Log 300 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.