Solar-Log™

Maximum plant size 2000 kWp

Optional Powermanagement and cos phi control

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

Monitor central inverters and SCBs

Solar-Log 2000

Solar-Log™
www.solar-log.com

Solar-Log 2000

For solar power stations and large-scale PV plants

Connections

Inverters

The Solar-Log 2000 is compatible with inverters from all major manufacturers. It can be connected to several of SDS supported inverters from one manufacturer with a maximum total power of 2000 kWp per interface.

Interfaces

The Solar-Log 2000 Standard and PM+ have two RS485/RS422 interfaces and one RS485 interface. The Solar-Log 2000 GPRS and PM+/GPRS have one RS485/RS422 and one RS485 interface, for two different inverter manufacturers and accessories such as Utility Meter, Pyranometer, SCBs etc.

Sensors RS485

The sensors measure irradiation, temperature and wind speed. To avoid any potential capability issues, please check if sensors can be combined with your particular inverter brand.

Meter S_0 in or RS485

The meter can record your consumption data, serve as an inverter and measure the power from incompatible inverters.

RS485 or S_0 out

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

Ripple Control Receiver

The signal to reduce active power is generally sent via a Ripple Control Receiver or remote control technology. Up to 2 Ripple Control Receivers can be connected to the 2000 PM+, one for power reduction and one for reactive power control.

Solar-Log 2000 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.

Display Options

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 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

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

Accessing the Solar-Log™

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

Solarfox® large and external display

A large external display used in combination with the Solar-Log™ can visually present the 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.

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 their 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.

Solar-Log™ 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.

Options	BT	WiFi	BT WiFi	PM+	PM+ WiFi	GPRS	PM+ GPRS	Meter
	-	-	-	●	-	●	●	-

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". A digital power meter serves as a consumption meter.

Cable cover

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

Solar-Log 2000 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.

Solar-Log 2000 Alarm Function

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