

Solar-Log 250



Functions

Local monitoring

Local graphical reports via a web browser

LCD-Status-Display

Status display for installation and operations.

Solar-Log™ Easy Installation

The inverter detection and Internet registration are carried out immediately. The installation mode is indicated on the LCD-Status-Display. It is possible to configure the Solar-Log® via the PC Web interface.

Visualization

Solar-Log™ WEB “Commercial Edition”

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™ WEB “Classic 2nd Edition”

This version has been developed for technically adept plant owners. It offers all of the basic functions for monitoring and analyzing status messages (free of charge).

Solar-Log™ Dashboard

The Dashboard is a feature of the WEB “Commercial Edition” that displays all important information for a plant such as yields, CO₂ savings and plant performance.

Solar-Log™ APP

You can access your data and graphical reports at anytime from anywhere in the world via the Internet with the free Solar-Log™ APP in connection with the Solar-Log™ WEB “2nd Edition” and Solar-Log™ WEB “Commercial Edition.”

Connections

Inverters

The Solar-Log 250 is compatible with inverters from all the major manufacturers. One inverter with a load output of 10 kWp and up to three MPP trackers can be connected.

Inverter Interfaces

The inverter can be connected via RS485/422 or an Ethernet connection. A meter can be set up as an inverter via the S₀ interface and records the output from incompatible inverters.

Solar-Log 250 USB Connection and Data Export

A USB stick can be connected for safe and quick manual installations of new firmware updates, data enhancements and system add-ons.

Technical Data

Inverter Failures, Status and Error Messages	Yes
E-mail and Text Message (SMS) Alarm	Yes
String Monitoring / MPP Tracker (depending on inverter type)	Yes
Yield Forecast (based on the percentage of the monthly values)	Yes
Integrated Web Servers	Yes
Network Detection/DHCP	Yes
HTTP Data Transfers from Solar-Log™ WEB for Compact Data Volumes	Yes
Firmware Support	min. 3.2.0
Warranty	2 years

Product comparison

Solar-Log 250

Solar-Log 300

Solar-Log 1200

Basis functions

Standard	●	●	●
PM+ ⁽²⁾	-	●	●
PM+ / WiFi ⁽²⁾	-	●	●
PM+ / GPRS ⁽²⁾	-	●	●
Bluetooth (BT) ⁽²⁾	-	●	●
WiFi (Wireless Lan) ⁽²⁾	-	●	●
Bluetooth (BT) / WiFi ⁽²⁾	-	●	●
GPRS ⁽²⁾	-	●	●
Solar-Log™ Meter (CT)	-	●	●
Inverter connection options	Ethernet, 1 x RS485/RS422	Ethernet, Bluetooth ⁴⁾ 1 x RS485/RS422 (1 inverter manufacturer per bus)	Ethernet, Bluetooth ⁴⁾ 1 x RS485, 1 x RS485/RS422 (1 inverter manufacturer per bus)
S ₀ interface	S ₀ -In	S ₀ -In / S ₀ -Out	S ₀ -In / S ₀ -Out
Max. plant size	10 kWp	15 kWp	100 kWp
Max. cable length	Max. 1000 m ¹⁾	Max. 1000 m ¹⁾	Max. 1000 m ¹⁾

Plant monitoring

String and MPP-Tracker monitoring (depending on type of inverter)	●	●	●
Inverter failure, status of fault and power monitoring	●	●	●
Sensor system connection (irradiation / temp. / wind)	●	● ³⁾	● ³⁾
E-mail and text message (SMS) alert	●	●	●
Yield forecast	●	●	●
Self-produced energy consumption visualization: Digital electricity meter	●	●	●
Self-produced energy consumption: Managing external appliances	-	●	●

Feed-in management

Reduction to X percent (with and without the calculation of self-consumption)	-	●	●
Reduction to X percent (adjustable fixed reduction)	●	●	●
Remote controlled active and reactive power reductions (with the calculation of self-consumption)	-	PM+	PM+

Depending on the inverter, the Sensor Basic, Sensor Box Commercial, Sensor Box Professional and Sensor Box Professional Plus can be connected via the RS485 interface.

Product comparison	Solar-Log 250	Solar-Log 300	Solar-Log 1200	
Integrated web servers	●	●	●	Visualization
Graphic visualization – PC local and internet	●	●	●	
LCD-Status-Display	●	●	●	
Display on the unit	-	-	4.3" TFT color display	
Controls on the unit	-	-	Via touch display	
Large external display RS485 / S ₀ pulse	-	●	●	
HTTP data transfers to Solar-Log™ WEB for low data volumes	●	●	●	
FTP data transfer to own server ⁵⁾	-	●	●	
Easy Installation	●	●	●	Installation
Network detection / DHCP	●	●	●	
Name resolution http://solar-log	●	●	●	
Ethernet network	●	●	●	Interfaces
USB flash drive	●	●	●	
Potential-free contact (relay)	-	-	●	
Power supply voltage / device voltage /current consumption	100 V – 240 V / 12 V / 3 W			General data
Ambient temperature	-10 °C to +50 °C			
Housing/dimensions (w x h x d) in cm / Mounting /Protection level	Plastic / 22.5 x 28.5 x 4 / Wall-mounted / IP 20 (indoor use only)			
Connection to Solar-Log™ WEB "2nd Edition"	●	●	●	
Connection to Solar-Log™ WEB "Commercial Edition"	●	●	●	
Multi-lingual (DE, EN, ES, FR, IT, NL, DK, TR, JP)	English ⁶⁾	●	●	
Memory, Micro-SD, 2 GB	●	●	●	
Warranty	2 years	5 years	5 years	

1) Depending on the inverter used, and the cable type (details can also vary from one type of device to another).

2) Other important information about Bluetooth and compatibility, Powermanagement, self-consumption and SCB and SMB inverters can be found on our website www.solar-log.com.

3) Using every inverter on the same bus is not always possible; please see the inverter database www.solar-log.com.

4) Bluetooth connection options only available with Bluetooth models.

5) It is possible to make a data transfer to own server once per day via FTP - an additional license is required for more frequent transfers.

6) Available: EN, ES, FR, IT, NL, DK

Article Number

Solar-Log 250 (EN) including power supply (10 items per packaging unit)

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