Solar-Log 250

Maximum plant size
10 kWp, 1 inverter

Dynamic
LCD-Status-Display

Easy Installation

Monitoring of
MPP Trackers

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 Enerest™

The Solar-Log WEB Enerest™ XL 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 WEB Enerest™ M

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 Enerest L and XL that displays all important information for a plant such as yields, CO_2 savings and plant performance.

The new app for - Solar-Log WEB Enerest™

With its completely revised operating concept and modern design, the new app offers many new interactive features and graphics. The app is available for free from the app store.

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 S_0 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

Article Number

Solar-Log 250	255869

	Product comparison	Solar-Log 250	Solar-Log 300	Solar-Log 1200	Solar-Log 2000
Basis functions	Standard	●	●	●	●
	PM+ [2]	-	●	●	●
	PM+ / GPRS [2]	-	●	●	● [4]
	GPRS [2]	-	●	●	●
	Solar-Log™ Meter (CT)	-	●	●	-
	Central inverter SCB and SMB	-	-	-	●
	Inverter connection options	Ethernet 1 x RS485/RS422	Ethernet 1xRS485/RS422 (1 inverter manufacturer per bus, max. total of 100 INV)	Ethernet, 1xRS485, 1xRS485/RS422 (1 inveter manufacturer per bus, max. total of 100 INV / device)	Ethernet, 1xRS485, 2xRS485/RS422, 1xCAN (1 inverter manufacturer per bus, max. total of 100 INV / device)
	Max. plant size	-	15 kWp	100 kWp	2000 kWp
	Max. cable length	-	Max. 1000 m [1]	Max. 1000 m [1]	Max. 1000 m [1]
Plant monitoring	MPP Tracker monitoring / MPP Tracker (depending on type of inverter)	●	●	●	●
	Monitoring of central inverters	-	-	-	●
	SCB and SMB connections	-	-	-	●
	Inverter failure, status of fault and power monitoring	●	●	●	●
	Sensor system connection (irradiation / temp. / wind)	● [3]	● [3]	● [3]	● [3]
	E-mail and text message (SMS) alert	●	●	●	●
	Alarm (local)	-	-	-	●
	Yield forecast	●	●	●	●
	Self-produced energy consumption: 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)	-	●	●	●
	Limit of X percent (with adjustable fixed reduction)	●	●	●	●
	Remote controlled active and reactive power reductions (with the calculation of self-consumption)	-	PM+	PM+	PM+
	Feed-in management with response signals	-	-	-	PM+, Utility Meter, PM-Package or Modbus TCP PM

Please refer to the Solar-Log 300 Installation Manual when installing the Solar-Log 250.

Functional restrictions are listed in this data sheet.

Product comparison	Solar-Log 250	Solar-Log 300	Solar-Log 1200	Solar-Log 2000	
Integrated web servers	●	●	●	●	Visualization
Graphic visualization – PC local and Internet	●	●	●	●	
LCD-Status-Display	●	●	●	●	
Display on the unit	-	-	4.3” TFT color display	4.3” TFT color display	
Controls on the unit	-	-	Via touch display	Via touch display	
Large external display RS485 / S_0 pulse	-	●	●	●	
HTTP data transfers to Solar-Log WEB Enerest™ for low data volumes	●	●	●	●	
FTP data transfer to third-party portals [5]	-	●	●	●	
Easy Installation	●	●	●	-	Installation
Network detection / DHCP	●	●	●	●	
Name resolution http://solar-log	●	●	●	●	
Ethernet network	●	●	●	●	Interfaces
USB	●	●	●	●	
Potential-free contact (relay)	-	-	●	●	
Alarm contact (anti-theft)	-	-	-	●	
Power supply voltage /device voltage /current consumption	115 V – 230 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 Enerest™ XL	●	●	●	●	
Weight [6]	710 g	710 g	800 g	810 g	
Multi-lingual (DE, EN, ES, FR, IT, NL, DK, TR, JP, CN, PL)	●	●	●	●	
Memory, Micro-SD, 2 GB, endless data logging	●	●	●	●	
Warranty	2 years	2 years	2 years	2 years	
	No extended warranty	Plus a 3 year extended warranty after registering at www.solar-log.com			

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 compatibility, powermanagement and 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 at www.solar-log.com.
4) Solar-Log 2000 PM+ / GPRS Communication interface 1 x RS485, 1 x RS485/RS422 (1 inv. manufacturer per bus).
5) It is possible to make a data transfer to third-party portals once per day via FTP - an additional license is required for more frequent transfers.
6) Weight of the standard version; deviations possible depending on the particular model.