Solar-Log Base

Our Most Powerful PV Energy Management System Ever



Your added Value and Benefits

The new revolutionary Solar-Log™ generation combines smart functionality with greater flexibility for more efficient control, management and monitoring of PV plants. For you, this means:

- **Security**
  Easily and effectively implement regulations for feed-in management.
- **Valuable time savings**
  Easily DIN rail mounted for simple installation.
- **Optimal price**
  You only have to purchase the functions you need for your plant requirements.

Models	Plant size	Article Number
Solar-Log Base 15	15 kWp	256325
Solar-Log Base 100	100 kWp	256326
Solar-Log Base 2000	2000 kWp	256327

Function

The Innovative Bus Analysis Function Replaces the Oscilloscope

Measure and evaluate the signal quality of the inverter communication (RS485).

Modular Design – Tailored to your Needs

Depending on the requirements, the functions for each PV plant can be individually selected. Interface elements and various software licenses can be purchased to add functions as needed.

Installation License – Easily Determine which Licenses are Required

With Solar-Log Base devices, the required licenses are activated free-of-charge during the installation for 30 days. During this time, you can purchase the licenses from the License Portal and register remotely from the comforts of your office.

New: Solar-Log™ – EnBW Direct Marketing Solution

We offer the complete solution from our partner EnBW from the Solar-Log™ Website “Solutions & Service / Direct Marketing.” Install Solar-Log Base and register for direct marketing within 5 minutes.

New Starting in Q3 Solar-Log Base Direct Marketing – VPN Function

Previously, an external router was required to transmit data to the direct marketer. Staring in Q3, it is possible to make secure VPN data transfers without any additional hardware. This integration not only saves money from the hardware, but also the installation.

Smart Energy - More Self-sufficiency than Ever Before

Recording and presentation of self-consumption control and visualization of individual appliances for the optimization of self-consumption.

Feed-in Management – Guarantees Compliance with the Legal Requirements

Reduction of feed-in power with a dynamic allowance for self-consumption.

Display Options

Solar-Log WEB Enerest™ 4.0 - High Performance Error Analysis

The new online portal (probably available in Q2 2020) features an attractive new design and numerous features. The new features include, a function for the self-learning detection of plant errors, optimized processes and quick diagnostics.

App for the Solar-Log WEB Enerest™ Portal – Intuitive and Free of Charge

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 Apple App store and Google Play Store.

Solar-Log™ Dashboard - Shows your PV System Performance at a Glance

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_2 savings and plant performance.

Large external display (RS485) – Present your PV Plant Data

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 interface.

Connections

Inverters

The new generation Solar-Log™ Base is compatible with inverters from all the major manufacturers.

2 x RS485 or 1 x RS422 and 1 x S_0

To connect components.

USB Connection

A USB stick can be connected for safe and quick manual installations of new firmware updates, configurations, and backups.

Ethernet

The Solar-Log Base can be connected to compatible inverters via Ethernet.

Licenses

Expandable Licenses *	Solar-Log Base 15	Solar-Log Base 100	Solar-Log Base 2000
Solar-Log Base Expandable License	from 15 kWp to 30 kWp	from 100 kWp to 250 kWp	-
Article number	256328	256329	-

* With additional costs

	Technical Data	Solar-Log Base 15	Solar-Log Base 100	Solar-Log Base 2000
Basic Functions	Maximum plant size	15 kWp	100 kWp	2 MWp
	Inverter connection options	Ethernet, 2x RS485 or 1x RS422		
	Battery storage: visualization, charging time shifts	●	●	●
	Smart Energy	●	●	●
	Powermanagement	●	●	●
	Direct Marketing	●	●	●
	Bus Analysis Function	●	●	●
	Maximum cable length*	max. 1000 m		
Expandable Licenses	Expandable license for max. plant size	up to 30 kWp	up to 250 kWp	-
	Solar-Log™ direct marketing license	●	●	●
Interfaces	RS485/RS422	2 x RS485 or 1 x RS422		
	Ethernet network	2 x 100 Mbit/s		
	USB	2 x USB 2.0		
	S_0 in	1 x S_0		
Additional Function Interfaces	Digital control outputs	via an additional module		
	Digital control inputs	via an additional module		
	Interface for a ripple control receiver (PM+)	via an additional module		
Visualization	Integrated web servers	●	●	●
	Graphic visualization	local and portal		
	TFT-Display	●	●	●
	Display on the unit	●	●	●
	Data transfer to external portals	API, ftps		
	HTTP data transfers to Solar-Log WEB Enerest™ for low data volumes	●	●	●
	Compatible with large external display (RS485)	●	●	●

*Depending on the electrical constraints

	Technical Data	Solar-Log Base 15	Solar-Log Base 100	Solar-Log Base 2000
Installation	Installation wizard	●	●	●
	Network detection / DHCP	●	●	●
	Name resolution solar-log	●	●	●
Feed-in Management	Reduction to X percent (with and without the calculation of self-consumption)	●	●	●
	Remote controlled active and reactive power reductions (with the calculation of self-consumption)		● optional PM package	
Plant Monitoring	Inverter Failure, Status, Error and Performance Deviation notifications in the portal	●	●	●
	Yield forecast	●	●	●
	MPP Tracker Comparison	●	●	●
	Sensor system connection (irradiation / temp. / wind)	●	●	●
	Self-produced energy consumption; Digital electricity meter	●	●	●
	Self-produced energy consumption: Managing external appliances	●	●	●
General Data	Device voltage/ Device output		12 - 24 Volt (+-10 %) / typ. 2,4W	
	Ambient temperature		-20°C to +50°C (without condensation)	
	Ambient temperature Storage/ transport		-20°C to +60°C	
	Dimensions (WxHxD)		53.6mm (3TE) x 90mm x 60mm	
	Mounting		DIN rail IEC/EN 60715 35mm, Wall mounting (without an additional module)	
	Protection level according to EN 60529		IP 20	
	Weight		110g	
	Multi-lingual (DE, EN, ES, FR, IT, CN)	●	●	●
	Storage		4 GB internal	
	Warranty		2 years	
	Recording length: Day, month and year values		> 10 years	

No power supply included