



## Gateway Solar-Log-50 User Guide

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**Gateway Solar-Log-50**



## Introduction

- This installation manual is intended for use by solar energy technicians and professional electricians, as well as Solar-Log 50 users. It should be noted that the installation and commissioning of the individual components is only to be performed by properly trained specialists.
- The Solar-Log™ must only be used by persons who have fully read and understood this manual before installing, operating and/or servicing the device

## Package Contents and Installation

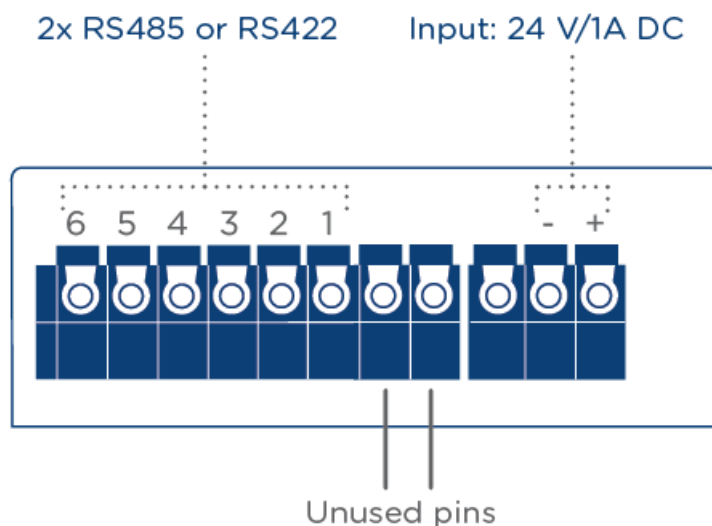
- Check the package contents before proceeding to assembly and installation. Report any damage or missing parts to the forwarding agent and dealer immediately. The device is produced according to protection class IP20 and is intended only for installation in interior areas that are dry and dust-free.
- The device can be mounted to the wall or on a top-hat rail. Power can come from a 12 – 24V DIN rail power supply or a 12 – 24V power supply with an adapter.

### Note

Please note: A power supply is not included in the package contents.

## Connections

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## 2 x RS485 or 1 x RS422

Use the provided terminal blocks when connecting inverters or accessories to the RS485 or RS422 interface

Pin Assignment	RS485-A	RS485-B	RS422
1	Data +	-	T/RX+
2	12V	-	12V
3	Ground / GND	-	Ground / GND
4	Data -	-	T/RX-
5	-	Data +	R/RX+
6	-	Data -	R/RX-

## Note

If inverters that use the RS422 connection are connected to this interface (e.g. Fronius, AEG, Riello), then it is not possible to connect accessories such as sensors or meters to this bus

## Technical Data

Nominal voltage	12 - 24V = +- 5 % bzw. 12 - 24VDC +- 5 %
Cable cross-section	Solid conductor: 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG Fine-stranded conductor: 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG With ferrules: 0.14 - 1 mm <sup>2</sup> (ferrules – to be used for fine-stranded conductor)
Strip length	8.5 ... 9.5 mm / 0.33 ... 0.37 inch, with ferrules ≥ 6mm / 0,24 inch
Power consumption	< 0.5W
Dimensions (WxHxD)	53,6x89,7x38,5 mm

- Connect the components to the Solar-Log™ (see Components Connection Manual).
- Connect the the Solar-Log™ to the power supply and network (router).
- Start your PC's web browser and enter 169.254.wx.yz\* in the address bar and press the ENTER key to access the WEB menu (last 4 digits of the serial number).
- Follow the setup instructions from the configuration wizard.

### Note

Here wx.yz stands for the last 4 digits from serial number of the Solar-Log™. The serial number is located by the QR code on the Solar-Log™.

### Perform the following steps to purchase a license

- Go to the license portal at <https://shop.solar-log.com>.
- Log on with your Enerest account.
- After you have to enter the serial number of the Solar-Log™, a list of compatible licenses is displayed.
- You can only select one license from the list. After the selection has been made, the web-shop payment options appear.
- After the payment confirmation, the license is valid.

### Automatic import

- Go to the Configuration | System | Licenses WEB menu of the Solar-Log™.
- Click on Synchronize.
- Now the Solar-Log™ connects to the license server and downloads all of the active licenses.

### Manual import

- Download the license file from the License portal.
- Go to the Configuration | System | Licenses WEB menu of the Solar-Log™.
- Click on the plus symbol and select the license file.
- After importing the license, it is activated immediately and „Installed“ is displayed.

For detailed instructions, the Solar-Log 50 Manual can be downloaded from the Info Center in the login section, to the right of the configuration (in header) or by scanning the QR code on the device

### Notes

- The Solar-Log™ is set to DHCP by default. To establish communication, the PC/laptop or router also needs to have DHCP activated.
- We recommend using the Solar-Log™ power supply (Art.N.: 256226).
- **Please note:** GND 24V

**Important note** Solar-Log 50 may only be operated with 12V DC in conjunction with SDS Piggy Back (Art.: 220020).

[www.solar-log.com](http://www.solar-log.com)


Subject to change without notice

06.2021

**Version 1.5**

**Art.Nº: 14913**

## Documents / Resources

	<a href="#">Solar-Log Gateway Solar-Log-50</a> [pdf] User Guide Gateway, Solar-Log-50, Gateway Solar-Log-50
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## References

-  [Services for the photovoltaic system| Solar-Log GmbH](#)
-  [Home | Solar-Log® Shop](#)
-  [Home | Solar-Log® Shop](#)

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