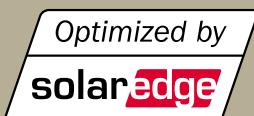


SOLON SOLraise.

Quick Start Guide.

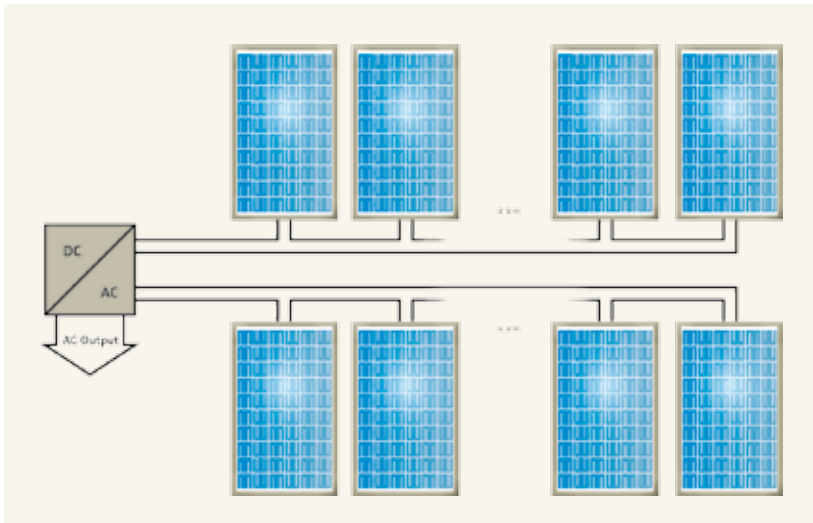


Quick Start Guide for SOLON SOLraise

⚠ Note

Please consult the SOLON SOLraise installation manual for complete installation and safety instructions. Make sure that you have correctly understood all instructions in the SOLON SOLraise installation manual and be sure to follow these for all installation work. Failure to do this presents a danger of personal injury or death and the risk of material damage to the devices. Only use this abbreviated version of the installation manual after you have fully read and understood the full version of the SOLON SOLraise installation manual.

Connecting the SOLON SOLraise modules to a module string



⚠ Caution!

- > Make sure that the inverter ON/OFF switch and the AC circuit breaker are both set to OFF while installing the inverter.
- > Connect the DC outputs of the SOLON SOLraise modules in series:
 - a. The minimum string length is 8 SOLON SOLraise modules
 - b. Do not connect more than 5.2 kW in a single string to a single phase inverter
 - c. Parallel strings do not need to be the same length
- > Check the connections. Before the inverter is switched on, the SOLON SOLraise modules each supply a safety voltage of 1 V that you should check with a voltmeter. The total measured voltage of the string should be the number of modules multiplied by 1 V, with a permissible deviation of 0.1 V per module (e.g. 20 modules * 1 V= approx. 20 V).
- > To make full use of the SOLON SOLraise Monitoring Portal, you must record the mounting location and serial number of every SOLON SOLraise module in the string plan. To do this, remove the rectangular barcode sticker, apply it to the physical layout template or a sketch of the string plan and send this via e-mail to installation@solon.com or fax to SOLON Support: Fax number: +49 30 81879-9333.

Installing the inverters and connecting the module strings to the inverters

Caution!

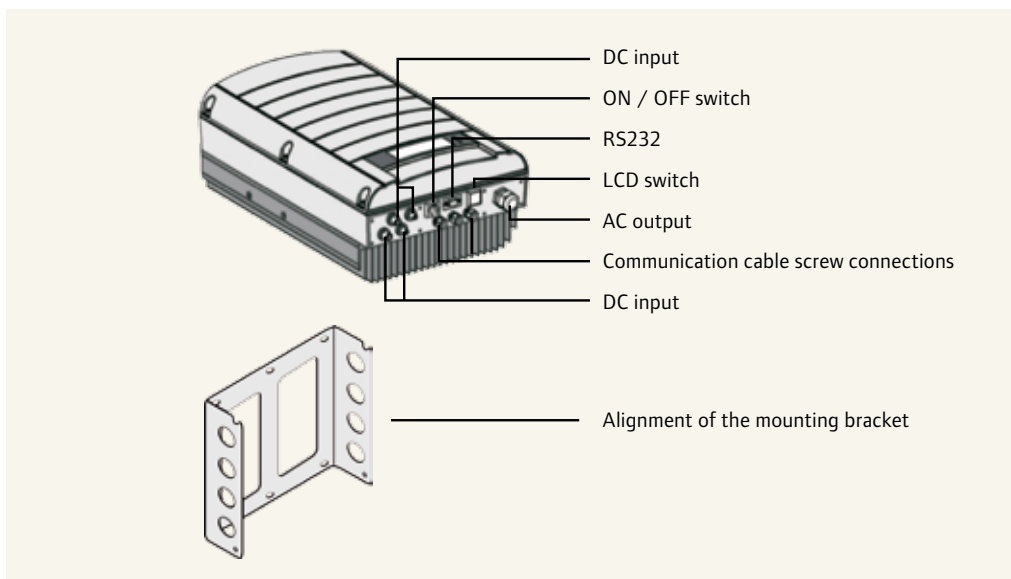
- > Make sure that the inverter ON/OFF switch and the AC circuit breaker are both set to OFF while installing the inverter.
- > Mount the installation bracket on the wall with the U-shaped notches facing upwards.
- > Make sure that there is sufficient free cooling space around the inverter: 20 cm above and below, 10 cm at both sides.
- > Connect the DC output cables from the SOLON SOLraise module strings to the DC inputs on the underside of the inverter.
- > Check for correct polarity before connecting!
- > Unscrew the six retaining screws from the cover and open the inverter.
- > Connect the AC cable. Make sure that the inverter is correctly grounded.
- > Connect the Ethernet cable (internet connection) or RS485 cable (inverter coupling) if required.

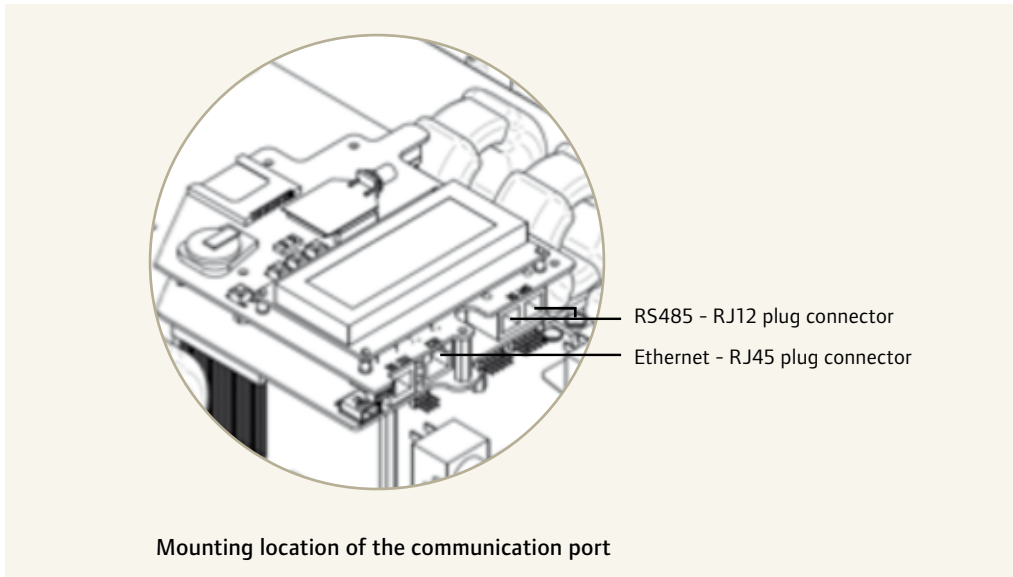
Caution!

When the PV system is connected to the Internet, the IP address and the serial numbers of the modules, power optimizers and inverters are transferred to the monitoring server. If this is not desired, do not connect the PV system to the Internet.

The "mySOLON Monitoring Portal Terms and Conditions" are available at www.solon.com/global/solraise.

Details for the setup of the communication between the inverter and the SolarEdge Monitoring Server are available in the "Communication Setup Application Note" on the SolarEdge homepage: www.solaredge.com/files/pdfs/solaredge-communication-setup-application-note.pdf





Commissioning and activating the system

1. Switch the AC circuit breaker ON.

Safety information

High voltage, handle with care.

2. Use the operating buttons and the LC-display of the inverter to check the correctness of the country code, display language and configuration of the communication options (and adapt these as necessary). You access the menu via the ENTER button (press and hold ENTER for 5 seconds and then enter the password **12312312**).

3. Check the following information on the LC-display:

- Vac**: Mains voltage (V).
- Vdc**: Total string voltage (V) (approx. 1 V for each PowerBox connected in series).
- Pac**: Power fed into the mains grid (W).
- P-OK**: Shows the number of connected PowerOptimizers.
- S-OK**: Shows the status of the connection to the internet and to the SolarEdge Monitoring Server.

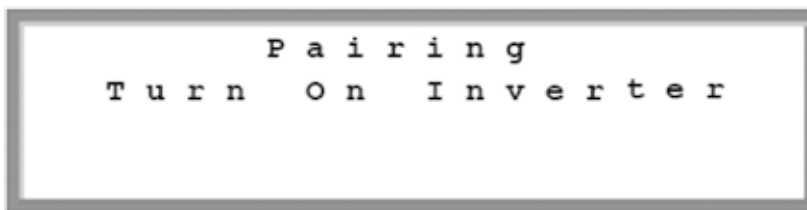


4. Close the inverter cover.

 **Safety information**

Make absolutely sure that the cover is properly closed before proceeding with the next step!
A high DC voltage is present in the inverter in the next step!

5. Pair the PowerOptimizers to the inverter by pressing and holding the LCD button for about 15 seconds while the ON/OFF switch is in the OFF position. The following message is shown on the LC-display:



6. Now switch on the inverter using the ON/OFF switch. If more than 5 seconds have passed between pairing the PowerOptimizers and switching on then you must repeat the pairing step described above.
7. The system starts feeding power a short time after the pairing process has completed. Check that the number shown next to P_OK on the LC-display corresponds to the number of installed PowerOptimizers. It can take up to 15 minutes for all PowerOptimizers to signal their readiness for operation.

SolarEdge inverters are designed for global use and must be configured for use in each Country. If the inverter has not been configured it may display a voltage or frequency error at first startup. Incorrect configuration will not damage the inverter but it will not operate normally unless properly configured. Inverter configuration should be verified for all installations at time of installation.

Please consult the SOLON SOLraise installation manual for complete installation and safety instructions.

Support for installers:

Mon-Fri from 9 a.m. to 5 p.m. except on public German holidays

Installation:

Phone: +49 30 81879-8010

Fax for sending in the installation protocol and plant layout: +49 30 81879-9333

E-mail for sending in the installation protocol and plant layout: installation@solon.com

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Fax: +49 30 81879-9555

E-Mail: technicalservice@solon.com

Questions about the product:

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