

Symphon·Ξ

Configuration Manual — SolarEdge PV Inverter

Version:2026.9.1

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1. Introduction

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These instructions are used to configure the following SolarEdge PV inverters:

SolarEdge

[Download platform](#) 

- All SolarEdge inverters with *SetApp* configuration
 - Single-phase inverters:
 - SE2200H
 - SE3000H
 - SE3500H
 - SE3680H
 - SE4000H
 - SE5000H
 - Three-phase inverters:
 - SE3K - SE10K
 - SE12.5K - SE33.5K
- All SolarEdge inverters with an LCD and firmware version > 3.xxxx



You should always have the latest firmware installed.

2. Configuration via the SolarEdge Web Interface

Before integrating the inverter into EMS, you should make sure that all necessary preparations have been made.

This includes configuring the inverter via the web interface.



Before configuring the PV inverter, make sure that it has been installed properly. Use the manufacturer's installation instructions for this.

To integrate into the EMS, please configure the device via the web interface. You can access this by calling up the IP address of the inverter in the browser. We recommend setting the assignment of the IP address to "Automatic" when commissioning the device.



To be able to access the web interface, your PC/notebook/smartphone must be in the same network as the inverter.

2.1. IP address

The connection between EMS and the PV inverter is always established via the customer network. For this purpose, the IP address of the PV inverter is stored statically in EMS. It is therefore necessary that the IP address of the PV inverter never changes.

- Variant 1: Configure the SolarEdge PV inverter according to the instructions so that it is assigned a static IP address.
- Option 2: Configure the inverter according to the instructions so that it is assigned a dynamic/automatic IP address. **Additionally**, configure the DHCP server in the customer's network (e. g., [AVM FritzBox](#) ) so that the inverter is always assigned the same IP address.

2.2. Ping test

To test the correct configuration of the IP address, we recommend pinging the inverter in the local customer network.

In the example below, the IP address **192.168.188.40** was set for the inverter in the configuration.

```
PING 192.168.188.40 (192.168.188.40) 56(84) bytes of data.  
64 bytes from 192.168.188.40: icmp_seq=1 ttl=64 time=3.23 ms  
64 bytes from 192.168.188.40: icmp_seq=2 ttl=64 time=1.89 ms  
64 bytes from 192.168.188.40: icmp_seq=3 ttl=64 time=3.08 ms  
64 bytes from 192.168.188.40: icmp_seq=4 ttl=64 time=0.889 ms  
  
--- 192.168.188.40 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 6ms  
rtt min/avg/max/mdev = 0.889/2.273/3.229/0.952 ms
```

Image 1. Ping test

If the inverter cannot be reached via ping, check the settings under [IP address](#).

2.3. Modbus/TCP



Modbus/TCP is deactivated by default and must therefore be activated first.

Make the following settings according to the instructions: Activate the Modbus/TCP interface:

Site Communication > **Modbus TCP** > **Enable**

A new port (**1502**) is then added to the screen. This port can be retained.

3. Integrating the PV inverter into EMS

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After you have configured the settings on the PV inverter, you can integrate it into EMS.

Prepare to install the EMS App by following these instructions:

- For the latest versions of EMS:
 - Navigate to the main menu item **Your Energy Journey** > **AppCenter**
 - Follow these instructions: [General Installation Manual for FEMS Apps](#).

After entering the key, you will see the following screen:

PV inverter

Alias*

PV inverter

IP-Address*

192.168.178.85

IP address of the PV inverter.

Port*

502

Port of the PV inverter.

Modbus Unit-ID*

0

The Unit-ID of the Modbus device. Be aware, that according to the manual you need to add "123" to the value that you configured in the PV inverter web interface.

Phase

All

Connected phase(s) of the inverter

INSTALL APP



Some of the input fields are pre-filled.

The alias is the name under which the PV inverter is displayed in EMS. You can choose any name you like, but it should be meaningful.

Required fields are marked with an *.

1. Check the IP address. You can find this either in the web interface of the respective PV inverter or in the list of devices registered on the router (e. g., Fritz!Box). If necessary, adjust the IP address so that they match.
2. The port should be set to **502** in accordance with the standard.
3. For the **Modbus Unit ID**, if a value has already been set in the PV inverter’s web interface, **123 must be added to that value**. Enter this result as the Modbus Unit ID in EMS.
4. Finally, specify which phase(s) is/are connected to the PV inverter.

Complete the installation by selecting [**INSTALL APP**].

The integration of the PV inverter into EMS is now complete.

You will then find the integrated PV inverter as a submenu item under [Production in the Heckert Solar App](#).

4. Contact us

4. Contact us

For support, please contact:

Symphon-E Service

Service phone: +49 (0) 371 45 85 68 - 100

E-mail service: symphon-e@heckert-solar.com

5. Directories

5.1. List of illustrations

Image 1. Ping test