

Instructions for connecting AC•THOR / AC•THOR 9s / AC ELWA 2 to Sigenergy



SIGENERGY

1. Default settings on the my-PV device

Before commissioning, read the assembly instructions delivered with the device and the operating instructions available online.

The AC•THOR operating instructions can be found [here](#).

The AC ELWA 2 operating instructions can be found [here](#).

2. Communication with Sigenergy

The communication parameters are preset from AC•THOR firmware a0021900, for AC ELWA 2 from firmware e001401.

AC•THOR or AC ELWA 2 are connected to the Sigenergy inverter in the network via a router. Within this network, the device receives information from the Sigenergy inverter about the available surplus photovoltaic energy.



- Do not connect the device directly to the inverter or battery system!
- It is important that the IP address of the signal source does not change during operation (e.g. due to a DHCP router) when communicating with the device via the network. Otherwise, the AC•THOR or the AC ELWA 2 will lose the control signal.



- A feed-in meter is required in the system for control by querying an inverter. Otherwise, the inverter will not provide any data!

3. Settings on the Sigenergy inverter

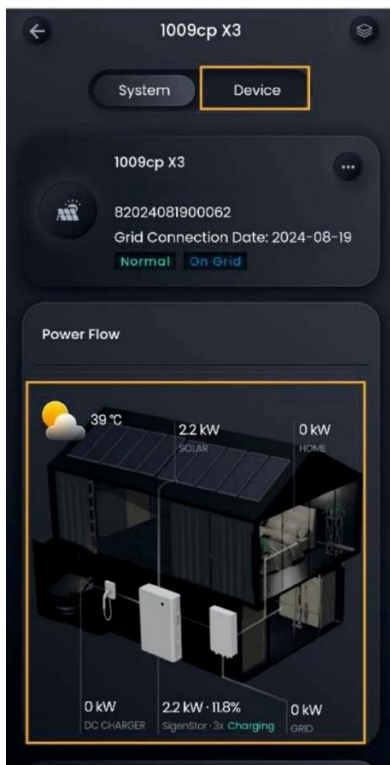


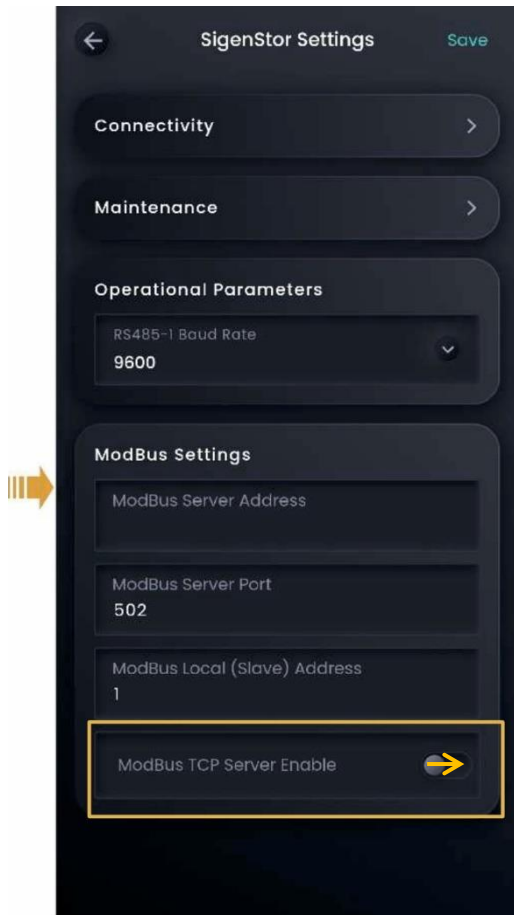
The following information and illustrations were taken from the Sigenergy manual "MySigen App Installer Manual EN". my-PV cannot provide any guarantee that the information is correct or that the images are up to date. You can find the current version at:

<https://sigenergy.com/en/support/download>

If the SigenStor is operated in SIGEN-KI mode, the operation mode must be set to 'Maximum Self-Powered' in the system settings.

Otherwise, heating operation may occur due to deliberate discharging of the battery.





1. Navigate to Device in the interface
2. Open the SigenStor device settings
3. Enable the Modbus TCP Server

4. Settings on the my-PV device

To set up the control type, please select "Sigenergy manual" under Control on the display or in the web interface. The IP address of the signal source is then to be entered on the display in the menu "Ctrl IP".



Alternatively, these settings can also be made on the web interface.

Control Settings

💡 TIP

For many control types there are separate instructions for the required settings. More information can be found [here](#).

Control type	<input type="text" value="Sigenergy Manual"/>
ⓘ AC-THOR Number > 1: only 'Slave' selectable.	
Control source IP address	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Device ID	<input type="text" value="247"/>
Device port	<input type="text" value="502"/>
Control state	<input type="text" value="Modbus single Write received"/>
Power timeout	<input type="text" value="10"/> s
Control target	<input type="text" value="-50"/> W

"Power timeout" should not be changed.

If the system includes a battery storage and you want to prioritise charging of the battery storage, then the "Control target" should be set to -150 W. Otherwise, we recommend keeping it at -50 W

my-PV GmbH
Betriebsstrasse 12, 4523
Neuzeug
www.my-pv.com

Subject to change.

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