

Instructions for combining
AC•THOR / AC•THOR 9s / AC ELWA 2
with
ATMOCE M-GATEWAY via Modbus TCP

ATMOCE

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 the ATMOCE M-GATEWAY

The AC•THOR or AC ELWA 2 are connected to the ATMOCE M-GATEWAY via a router within the network. Within this network, the device receives information on the amount of surplus photovoltaic power available from the ATMOCE M-GATEWAY.

Note!

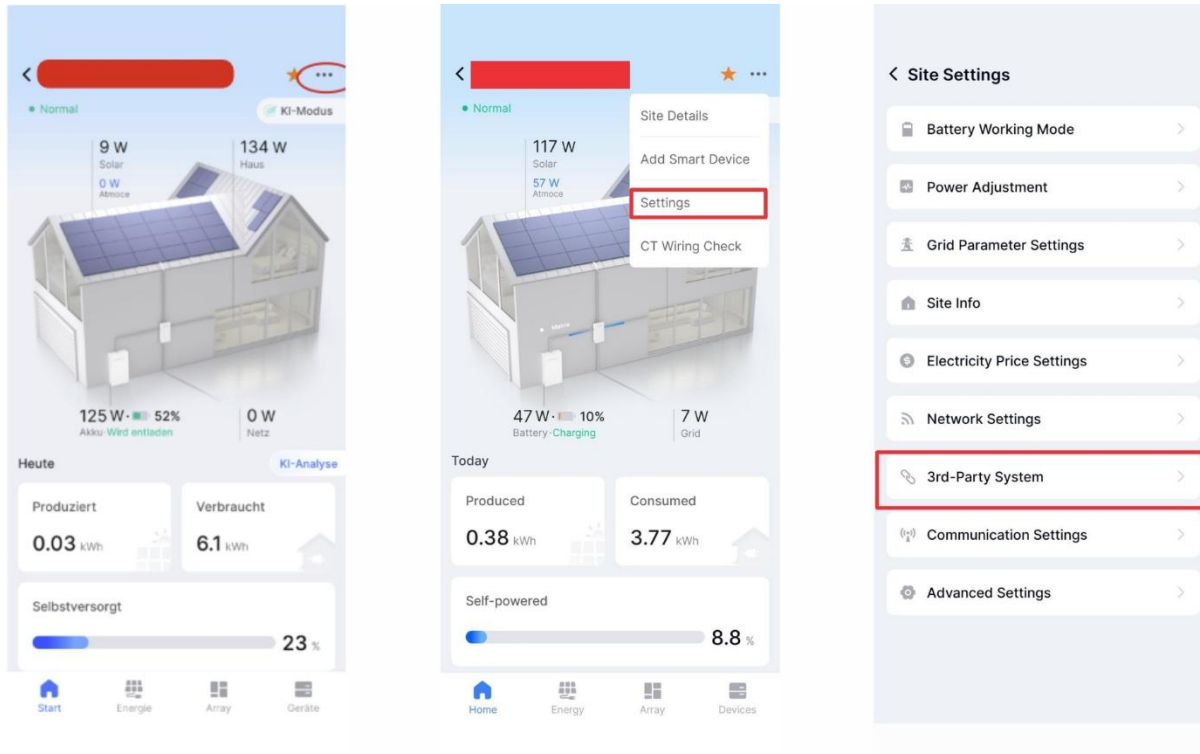
- Do not connect the my-PV device directly to the inverter or the battery system!
- When communicating with the device via the network, it is important that the IP address of the signal source does not change during operation (e.g. due to a DHCP router). Otherwise, the AC•THOR or AC ELWA 2 will lose the control signal.
- When controlling via an inverter query, a feed-in meter is required in the system. Otherwise, the inverter query will not provide any data!

3 Settings on the ATMOCE M-GATEWAY inverter

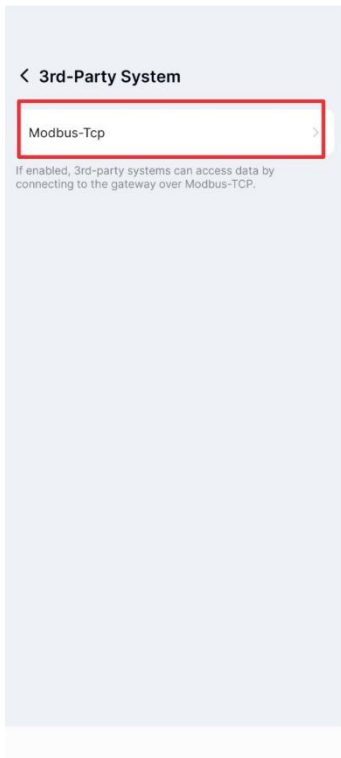
Note!

The following information has been provided to my-PV by ATMOCE. my-PV cannot guarantee the accuracy or currency of the information.

The required settings in the ATMOCE app are shown in the following images.



1. Tap the three dots in the top-right corner of the home screen.
2. Select "Settings".
3. In the settings, tap "3rd-Party System"

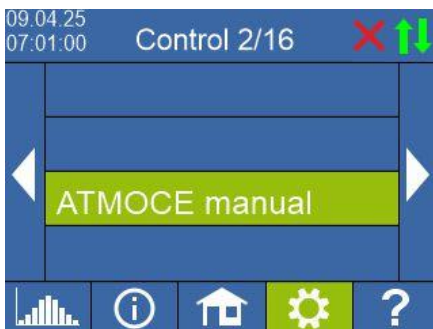


1. Under „3rd-Party System“, open the Modbus-TCP Settings.
2. Tap the toggle switch to enable Modbus TCP. The port Number must be set to 502. Make a note of the IP-address listed under “FE1 To Device”. You will need this for the steps in the next chapter.

4 Settings on the my-PV device

For the ATMOCE M-GATEWAY, the communication parameters are preset from AC•THOR firmware version a0022401 onwards; for the AC ELWA 2, from firmware version e0002406 onwards.

On the display **or** in the web interface, select "**ATMOCE manual**" under Control for the control type. On the display, then enter the IP address of the ATMOCE M-GATEWAY under "Ctrl IP".



Alternatively, these settings can also be configured via the web interface.

In the web setup, the "Device ID" and "Device Port" parameters for the ATMOCE M-GATEWAY can also be adjusted if they differ from the default settings.

For the "ATMOCE manual" control type, my-PV presets Device ID to 1 and Device Port to 502.

Control Settings

TIP

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

Control type:

ⓘ AC-THOR Number >1: only 'Slave' selectable.

Control source IP address:

Device ID:

Device port:

Control state:

Power timeout: s

Control target: W

ⓘ Negative value means feed-in. Only change this value if you are familiar with the control strategy - read Help for more details.

The "Power timeout" should not be changed.

If a battery storage unit is present in the system and you wish to prioritise charging the battery storage unit, the "Control target" value should be set to -150 W. Otherwise, we recommend leaving it at -50 W.

Subject to changes and printing errors.



my-PV GmbH
Betriebsstraße 12
4523 Neuzeug
www.my-pv.com