

Instructions for combining
AC•THOR / AC•THOR 9s / AC ELWA 2
with
Fox ESS H3 smart via Modbus TCP



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 Fox ESS H3 smart inverter

The AC•THOR or AC ELWA 2 are connected to the Fox ESS H3 smart inverter via a router within the network. Within this network, the device receives information on the amount of surplus photovoltaic power available from the Fox ESS H3 smart.

Note!

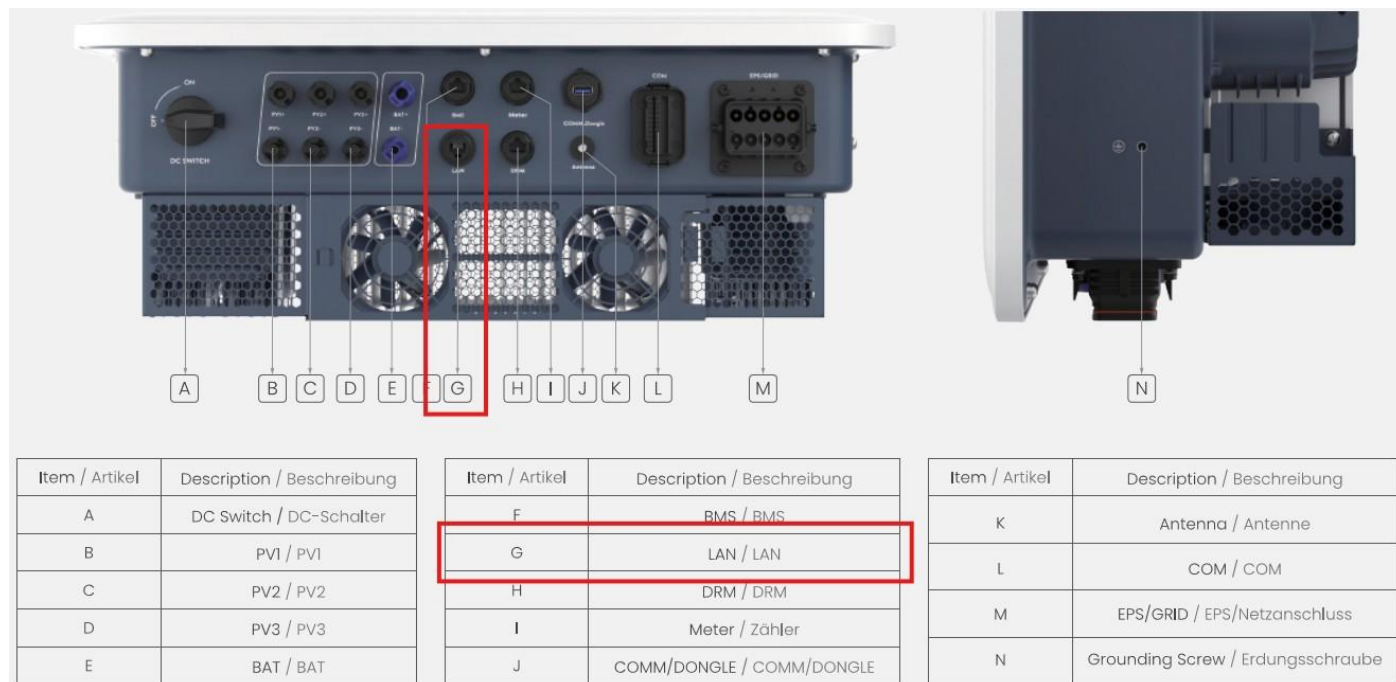
- Do not connect the my-PV device directly to the inverter or the battery system!
- When communicating with the device via the network, it is important that the IP address of the signal source does not change during operation (e.g. due to a DHCP router). Otherwise, the AC•THOR or AC ELWA 2 will lose 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 Fox ESS H3 smart inverter

Note!

The following information has been provided to my-PV by Fox ESS H3 smart. my-PV cannot guarantee the accuracy or currency of the information.

The Fox ESS H3 smart is connected to the router via an Ethernet cable. No further configuration is required.



4 Settings on the my-PV device

For Fox ESS H3 smart, the communication parameters are preset from AC•THOR firmware version a0022409 onwards; for the AC ELWA 2, from firmware version e0002406 onwards.

On the display **or** in the web interface, select "**Fox ESS H3 smart manual**" under "Control" for the control type.

On the display, then enter the IP address of the Fox ESS H3 smart inverter under "Ctrl IP".



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

In the web interface, the "Device ID" and "Device Port" parameters for the Fox ESS H3 smart inverter can also be adjusted if they differ from the default settings.

For the "Fox ESS H3 smart manual" control type, my-PV presets Device ID to 247 and Device Port to 502.

Control Settings

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

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 keeping the setting at -50 W.

Subject to changes and printing errors.



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