

Instructions for integrating **AC•THOR / AC•THOR 9s / AC ELWA 2** with Fox ESS Type H3 or H3 Pro



If the RS485 communication port on the inverter is also used by other devices, for example by a data logger in the case of type T(G3), communication with my-PV is not reliably possible!

A connection with the AC ELWA-E is not possible as it does not have Modbus RTU (RS485) communication!

1. Basic settings on the my-PV device

Before commissioning, it is essential that you read the assembly instructions that accompany the device, as well as the operating instructions available online.

Find the AC•THOR operation manual [here](#).

Find the AC ELWA 2 operation manual [here](#).

2. Communication with Fox ESS (Modbus RTU)

The combination with Fox ESS was tested with type H3.

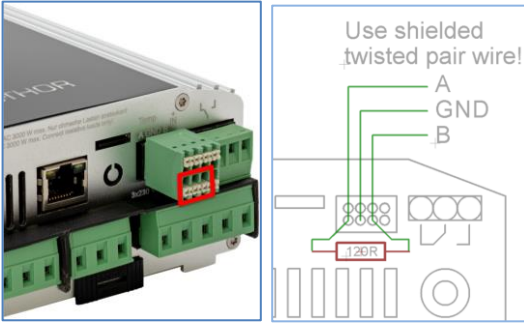
The compatibility of my-PV cannot be certified for types H1 and T(G3)!

The three-pole Modbus RTU shielded cable connects the my-PV device directly to the Fox inverter.

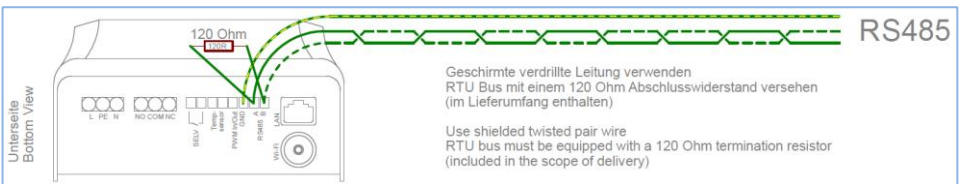
⚠ Use a shielded twisted pair cable and connect the shield to earth (GND) at one end!

⚠ RTU bus must be fitted with a 120 Ohm terminating resistor!

⚠ When controlled via Modbus RTU, the M7 operating mode cannot be used with the AC•THOR!



Three pins on the 8-pin connector of the AC•THOR are the Modbus RTU Gateway. The 120 Ohm terminating resistor is not included with the AC•THOR!

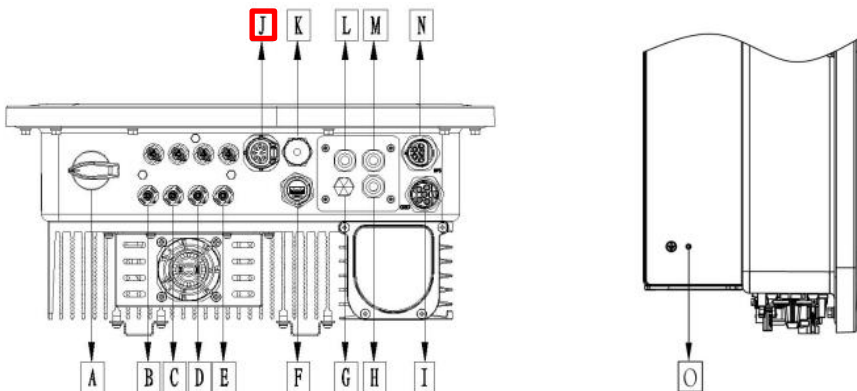


On the AC ELWA 2, the connection is identified by RS485, A, B and GND.

⚠ When controlled by an inverter, a feed meter is required in the system. Otherwise, the inverter query does not provide any measurements.

Connection on 3-phase H3

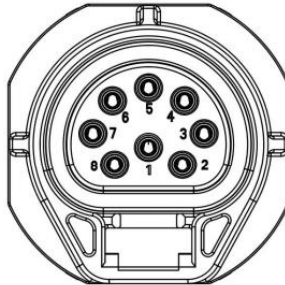
⚠ The following information and illustrations were kindly provided to my-PV by Fox-ESS. my-PV cannot accept any liability for the accuracy of the information and updates.



Item	Description	Item	Description
A	DC Switch	I	GRID
B	PV1	J	Meter / RS485
C	PV2	K	BMS
D	PV3	L	DRM
E	Battery Connector	M	PARALLEL2
F	USB / WiFi / GPRS / LAN	N	EPS
G	Waterproof Lock Valve	O	Grounding Screw
H	PARALLEL 1		

- **Meter/RS485**

The PIN definitions of Meter/485 interface are as below.



PIN	1	2	3	4	5	6	7	8
Definition	Logger 485A	Logger 485B	Meter 485B	Meter 485A	GND	GND	RY_CON	+12V

3. Settings on my-PV device

Select 'Fox Ess H3 (Modbus RTU)' or 'Fox Ess H3 Pro (Modbus RTU)' on the display in control settings.



