Instructions for combining

AC•THOR / AC•THOR 9s / AC ELWA 2

with

Solis via Modbus RTU

Note!

- If the RS485 communication connection on the inverter is still being used by other devices, 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 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 Connection to the my-PV device (Modbus RTU)

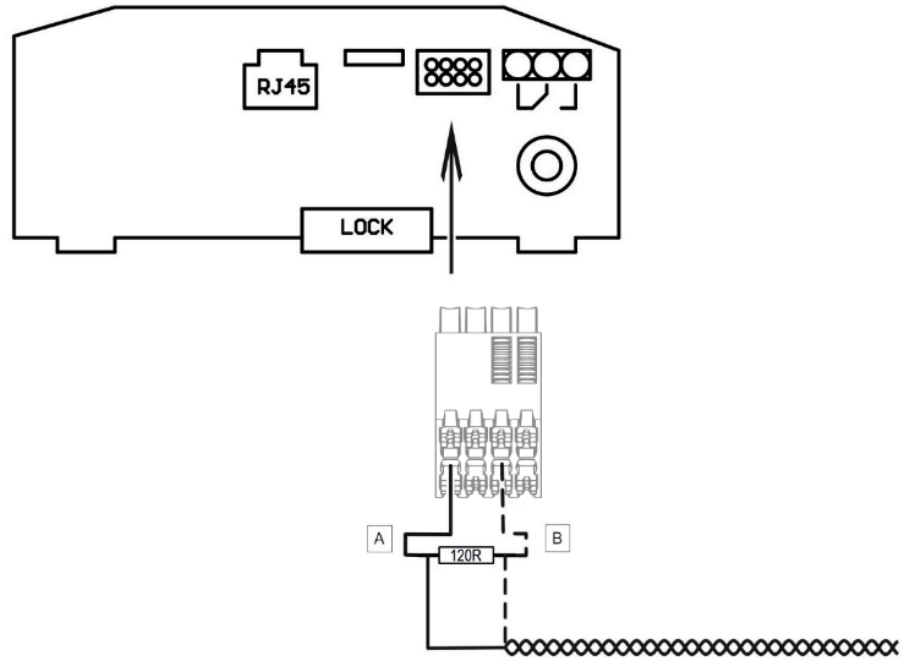
The my-PV device is connected directly to the Solis inverter via shielded twisted-pair cable (for example CAT-Cable).

Note!

- Use a shielded cable with twisted wires (e.g. CAT cable)
- Fit the RTU-BUS with a 120 Ohm terminating resistor!
- When controlled via Modbus RTU, the M7 operating mode cannot be used with the AC•THOR!
- A meter must be connected to the inverter in order to query it. Otherwise, querying the inverter will not return any data.

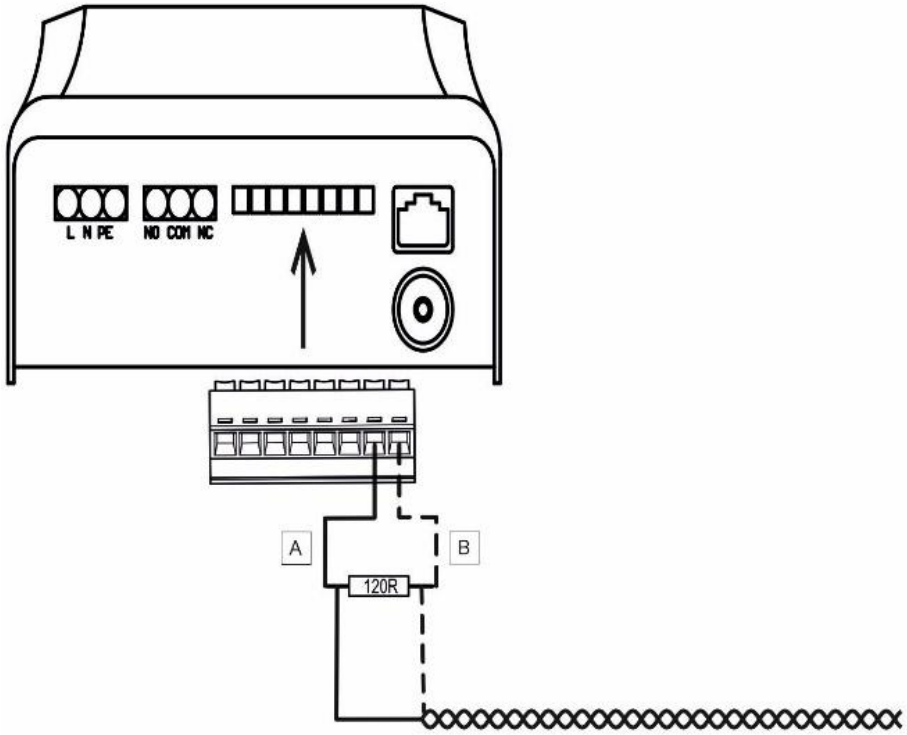
2.1 AC•THOR / AC•THOR 9s

Three pins on the 8-pin connector of the AC-THOR are the Modbus RTU communication connection. The 120-ohm terminating resistor is not included in the scope of delivery and must be purchased separately.



2.2 AC ELWA 2

On the AC ELWA 2, the connection is labelled RS485, A, B, GND.
The 120 Ohm terminating resistor is included in the scope of delivery of the AC ELWA 2

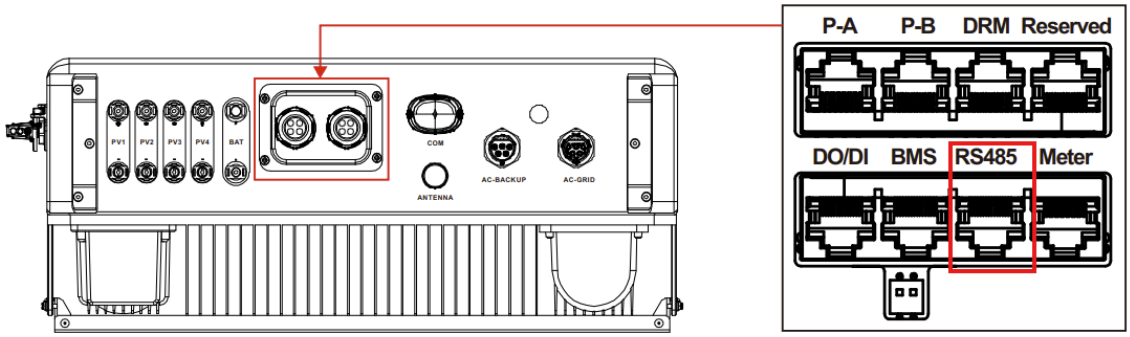


3 Connection to the Solis inverter

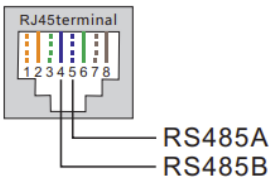
Note!

The following information and illustrations have been taken from the Solis inverter user manual. my-PV cannot guarantee the accuracy of the information or that the views are up to date.

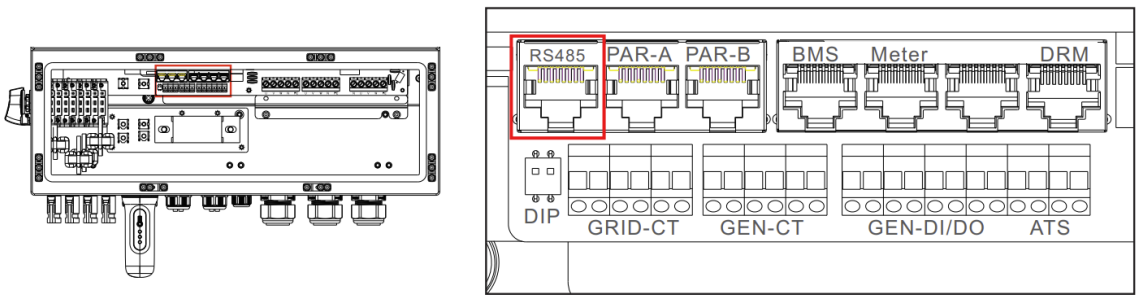
3.1 S6-EH3P(3-10)K; S6-EA3P(5-10):



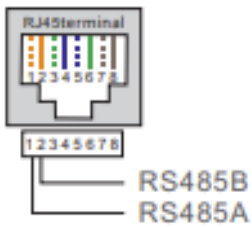
NOTE:
Pin definition of the RS485 Port is following EIA/TIA 568B.
RS485A on Pin 5: Blue/White
RS485B on Pin 4: Blue



3.2 S6-EH3P(12-20)K-H:



NOTE:
Pin definition of the RS485 Port is following EIA/TIA 568B.
RS485A on Pin 1: orange/white
RS485B on Pin 2: orange



4 Settings on the Solis inverter

Note!

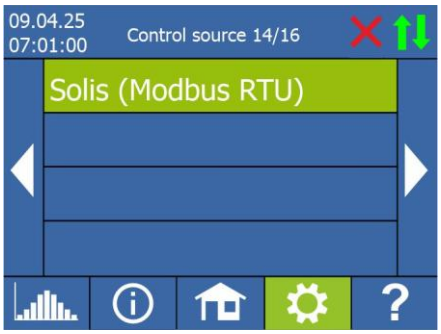
The following information was provided to my-PV by Solis. my-PV cannot guarantee the accuracy or timeliness of this information.

There is no need to make any settings on the Solis inverter.

5 Settings on the my-PV device

For Solis the communication parameters are preset from AC•THOR firmware a0022100, for AC ELWA 2 from firmware e002200.

On the display, select "**Solis (Modbus RTU)**" under Control for the control type.



Alternatively, the settings can also be configured via the web interface. This requires additional integration of the my-PV device into the local network.

If the system has a battery storage unit and you want to prioritize charging the battery storage unit, we recommend leaving the Control target at -150 W the. Otherwise, we recommend setting it to -50 W.

Subject to changes and printing errors.

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