


## Instructions for integrating AC•THOR<sup>®</sup> or AC ELWA<sup>®</sup>-E with SolarEdge

 According to the latest information from SolarEdge, this control only works when connected via LAN, not WLAN.

### 1. Default settings on AC•THOR or AC ELWA-E


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


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

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

### 2. Communication of AC•THOR or AC ELWA-E with SolarEdge


AC•THOR or AC ELWA-E are connected to SolarEdge in the network via a router. Within this network, the device receives information from SolarEdge about how much photovoltaic surplus is available.


 Do not connect the unit directly to the inverter or battery system!

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

### 3. Settings on SolarEdge

- "SunSpec" must be set as the protocol.
- If possible, set the unit ID to 1 (unit ID 1 is preset for my-PV).
- Activate Modbus TCP
- Note the port number. This is still required for the settings on the my-PV unit (port number 502 is preset for my-PV).

 <b>solar</b> edge RS485 - 1	
Protokoll	SunSpec (Non-SE-Logger)
Geräte-ID	1

 <b>solar</b> edge SN 7E041BD0-6D	
Modbus TCP-Port	
Modbus TCP	Aktiviert >
Port	1502 >

**⚠ When communicating with SolarEdge, the IP address of the inverter must not change during operation (e.g. by a DHCP router), otherwise the AC-THOR or the AC ELWA-E will lose the control signal!**



TIP: If there are problems with data transmission, deactivating and then restarting the Sunspec data communication on the SolarEdge can help.

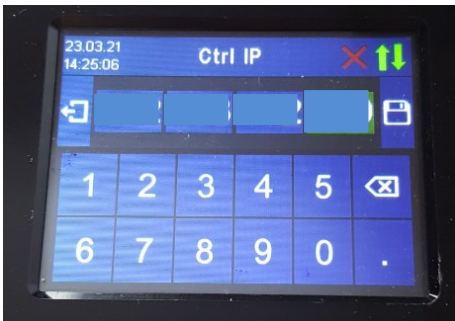
#### 4. Settings on AC•THOR or AC ELWA-E

For the AC•THOR, select "SolarEdge Manual" for the control type either on the display or in the web interface.



TIP: For the AC ELWA-E from firmware 00205.00 and for the AC-THOR from firmware a0020800, the control types "**SolarEdge Syn.2unit Manual**" and "**SolarEdge Syn.3unit Manual**" are also available.

The IP address of the signal source must then be statically specified on the display under "Ctrl IP".



Alternatively, these settings can also be made on the AC-THOR via the web interface. In the web setup, the parameters "Device ID" and "Device Port" can also be set by SolarEdge.

**With the AC ELWA-E, configuration is only possible in the web setup.**

**Control Settings**

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

Control source IP address:

Device ID:

Device port:

Control state:  
Modbus Read received

Power timeout:

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

Block start / stop hour:

Save

"Power timeout" is not to be changed.

If there is a battery storage unit in the system and it is to be charged with priority, then the "Target value of the control" should be set to -150 W. Otherwise, we recommend leaving -50 W.

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Subject to change

