

Installation manual

CheckWatt CM10 and FoxESS Hybridväxelriktare H3-(5.0-12.0)-E AC3-(5.0-10.0)-E Updates 2024-06-12

Installation of CheckWatt CM10 and the FoxESS hybrid inverters H3-(5.0-12.0)-E & AC3-(5.0-10.0)-E is performed according to their manuals. This manual describes how communication between the CheckWatt CM10 and FoxEss hybrid inverter is established.

Communication between the CM10 and the FoxESS hybrid inverter is carried using Modbus RTU via twisted pair copper cable RS485.

Max inverters per CM10: 1



Firmware update inverter

The inverter needs to be updated to communicate with CheckWatt CM10. This is done remotely by FoxESS after sales department. Send the following email to the FoxESS after-sale department.

Email the CM10 number to your contact person at CheckWatt once the installation has been updated.

Subject: FoxESS Inverter Update for VPP Services with CheckWatt
[SERIENUMMER]

Please update the following system for VPP Services with CheckWatt.

Inverter model: FoxESS Hybrid inverter xxx
S/N: XXXXXXXXXXXXXXXX

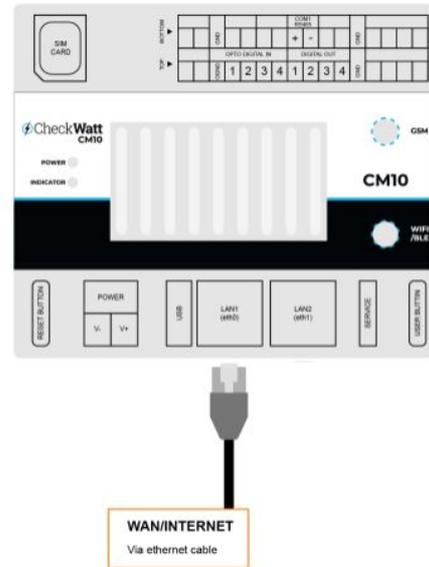
Regards [Name]

Installation: Internet connection and communication

Connect the WAN (Ethernet cable) between the property's router* and **LAN 1 (eth0)** on the CM10 for internet connection to the CM10.

* or other network equipment such as PLC-modem, wifi-repeater or network switch.

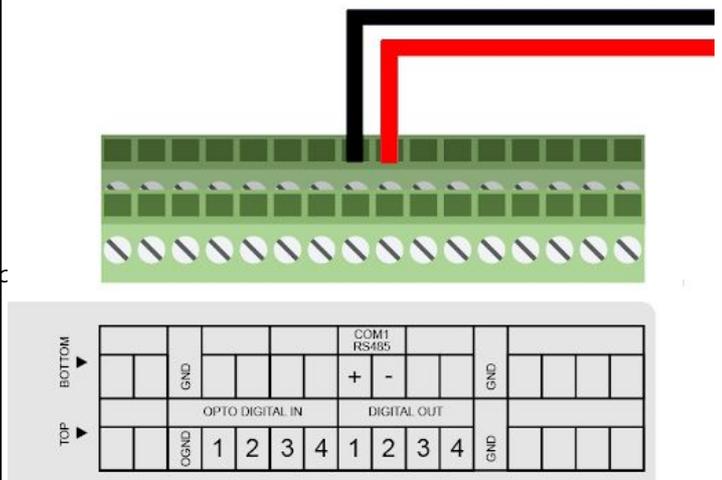
NOTE! LAN 1 and LAN 2 must not be mixed up as they have different functions.



Connect cable A (black in the image) to terminal **#8** on the rear row marked **COM +**.

Connect cable B (red in the image) to terminal **#9** on the rear row marked **COM +**.

Note: Make sure not to mix up the polarity of these cables, this will result in communication failure.



These two cables should then be routed and connected to the FoxESS RS485 interface as shown in the image.

Cable A (black in the image) connect to **terminal 1** (RS485A).

Cable B (red in the image) connect to **terminal 2** (RS485B).

