

Installation manual

CheckWatt CM10 and SolarEdge Hybrid inverter

Updated 2024-06-03

Installation of CheckWatt CM10 and the Fronius GEN24 inverter is performed according to their manuals. This manual describes how communication between the CheckWatt CM10 and Fronius GEN24 inverter is established.

Communication between CM10 and inverter is carried over modbus TCP/IP via ethernet cable CAT6 FTP.

Compatible inverters:

SE5K-RWS / SE7K-RWS / SE8K-RWS / SE10K-RWS

SE5K-RWB48 / SE8K-RWB48 / SE10K-RWB48

Max inverters per CM10: 1

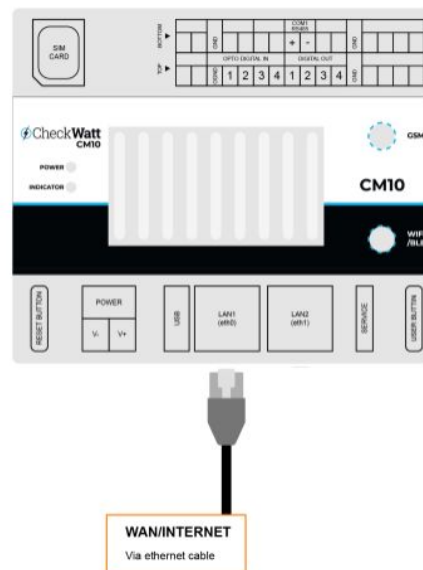


1. Fysisk koppling mellan CM10 och SolarEdge

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

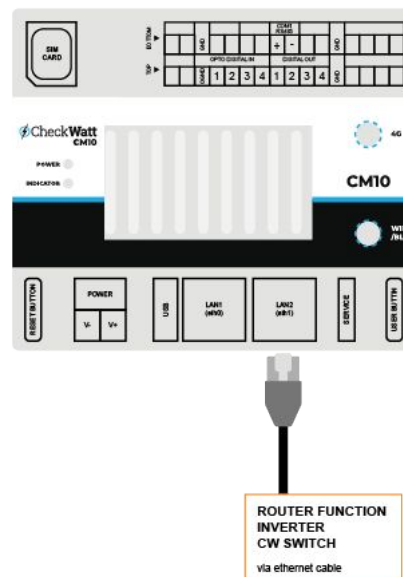
** or other network equipment such as PLC-modem, wifi-repeater or network switch.*

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



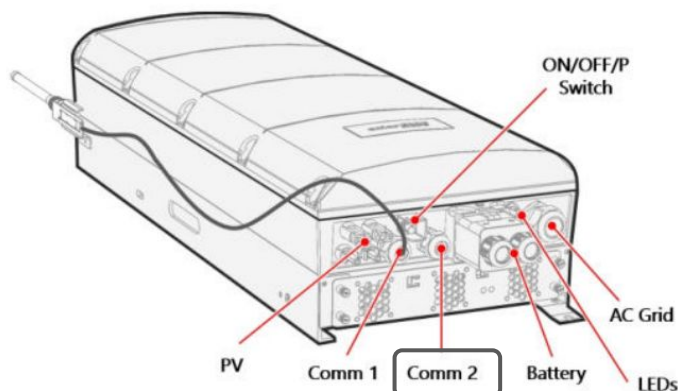
Connect the LAN (Ethernet cable) to **LAN 2 (eth1)** on the CheckWatt CM10.

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



Connect LAN (ethernet cable) to SolarEdge inverter **Comm 2** port.

The inverter will now be provided with internet via the CheckWatt CM10.



Firmware update inverter

To ensure that SolarEdge systems work with CheckWatt CM10, an update to the inverter is required. The version should be **4.19.xx or newer**. The update to the latest firmware is performed when the installer logs in for onsite commissioning or configuration.

2. SolarEdge inställningar

Använd appen "SetApp" för att logga in på växelriktaren.

Välj sedan
Site Communication

Commissioning

	Country & Grid	>
	Pairing	>
	Monitoring Communication	>
	Site Communication	>
	Power Control	>
	Grid Protection	>
	Central Commissioning	>
	Device Manager	>
	Maintenance	>
	Information	>
	Status	>

Ändra Modbus TCP port till **Enable**

Modbus porten ska vara **1502**

Site Communication

Ethernet	DHCP	>
Wi-Fi	Not Connected	>
RS485-1	Modbus (Multi-Device)	>
RS485-2	SolarEdge Follower	>
GPIO	Power Reduction Interface (RRCR)	>
Modbus TCP port	Disabled	>

↓

Modbus TCP	
Enable	✓
Disable	