

# Installation manual

## CheckWatt CM10 and GoodWe Hybrid inverter

Updated 2024-06-27

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

Communication between the CM10 and the GoodWe hybrid inverter is done using Modbus TCP via a CAT6 FTP network cable. Ensure that the correct dongle is used for the inverter.

### Compatible inverters:

Goodwe 15k-30k ET (med Wifi+LAN 2.0 dongle) - Commission only on bluetooth

Max inverters per CM10: 1



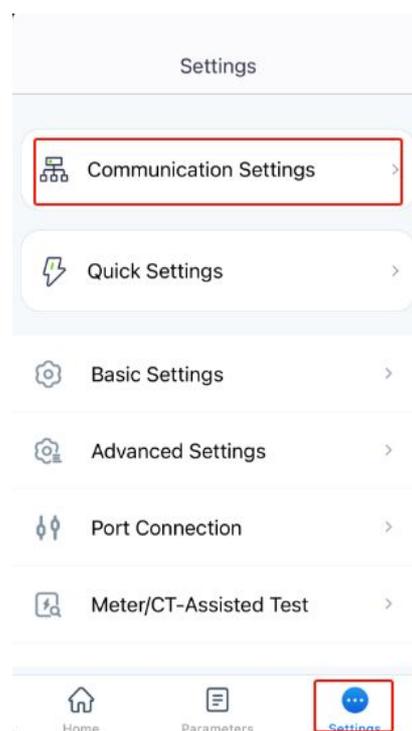
## 1. Internet connection and IP settings in GoodWe

1 a) Turn on the GoodWe inverter and connect your mobile phone to the inverter via **Bluetooth** in the **SolarGo app**.

For more information on how to connect to the inverter, refer to the GoodWe WiFi/LAN 2.0 kit quick installation guide. [GoodWe WiFi/LAN 2.0 kit quick installation guide](#).

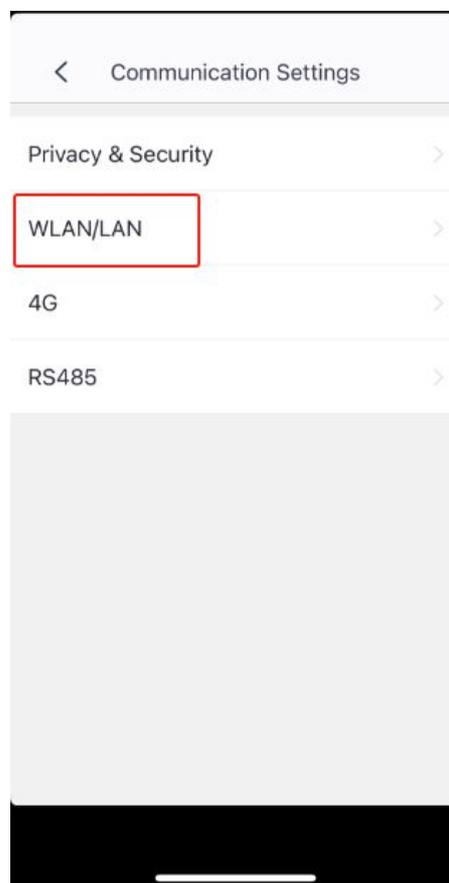


1 b) Go to Settings and select **Communication Settings**.



## 1. Internet connection and IP settings in GoodWe

1 c) Select **WLAN/LAN**



1 d) Turn on **LAN** and turn on **DHCP**. Then click **Save** and **Exit**.



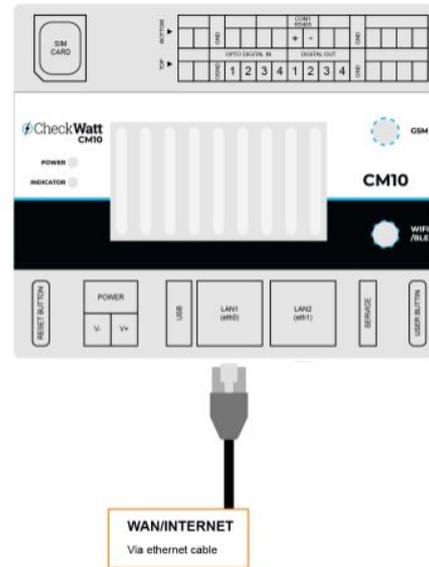
## 2. Connection between CM10 and GoodWe

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

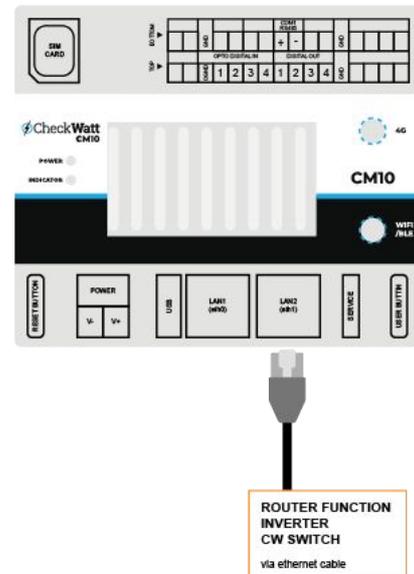
*\* or other network equipment such as PLC-modem, wifi-repeater or network switch.*

*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. This cable should then be connected to the GoodWe inverter.

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



**Connect** the LAN (Ethernet cable) to the **RJ45 port** on the GoodWe hybrid inverter's WiFi+LAN 2.0 module.

*The GoodWe inverter will now be provided with internet through the CheckWatt CM10.*



### 3. Verify internet connection

#### Verify internet connection and IP-address from CheckWatt CM10

Follow the same steps as in 1. Internet and IP settings in GoodWe

Ensure that the IP settings are in line with the installation manual for the CM10



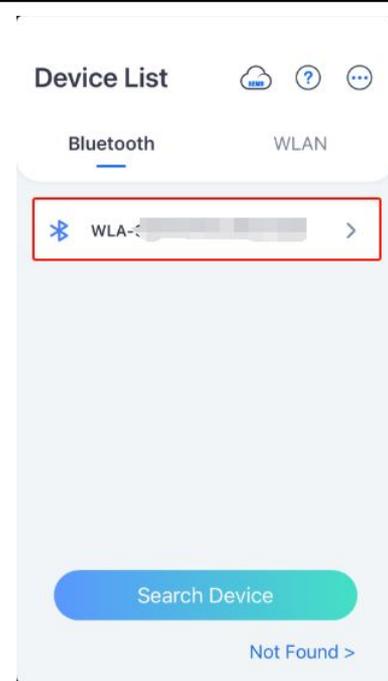
Wait until LED next to the WiFi symbol emits a steady light.

**The system is now ready to be connected to the CheckWatt virtual power plant Currently**

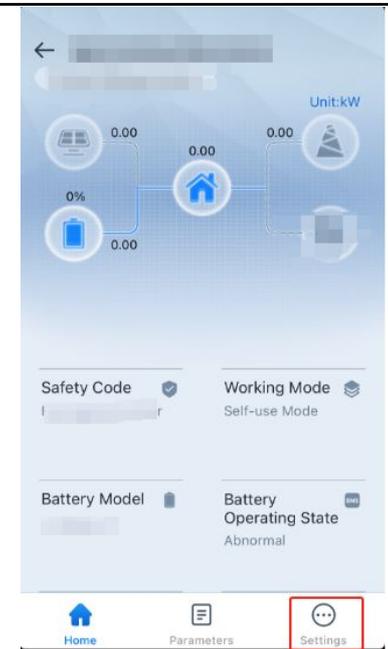


#### 4. SolarGo settings

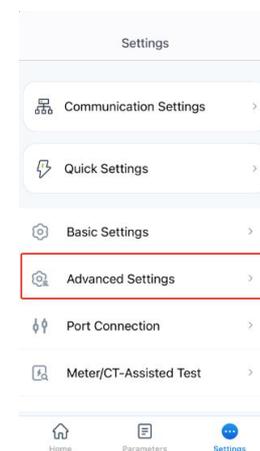
Connect to the inverters **Bluetooth** and open **SolarGo**.



Click **Settings**.



Click **Advanced setting** (you can find the password in the SolarGo-manualen).



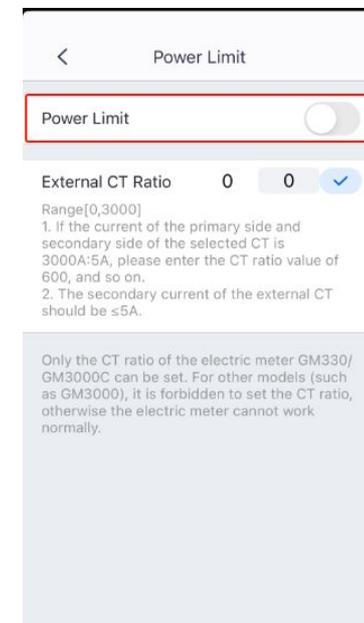
## 4. SolarGo settings

Select **Power Limit**



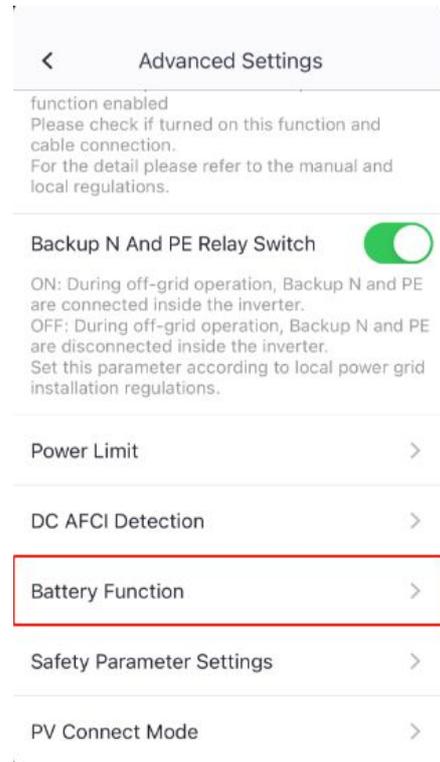
Turn off **Power limit**

*If it is on, it means that power from the battery cannot be fed into the grid*



#### 4. SolarGo settings (optional)

Select **Battery setting**.



Turn off **SOC Protection**.

