

Installation manual

CheckWatt CM10 and Solis inverter

S6-EH3P(12-20)K-H

Updated 2024-11-20

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

Communication between CM10 and inverter is carried over modbus RTU (RS-485) via ethernet cable CAT6 FTP.

Max inverters per CM10: 1

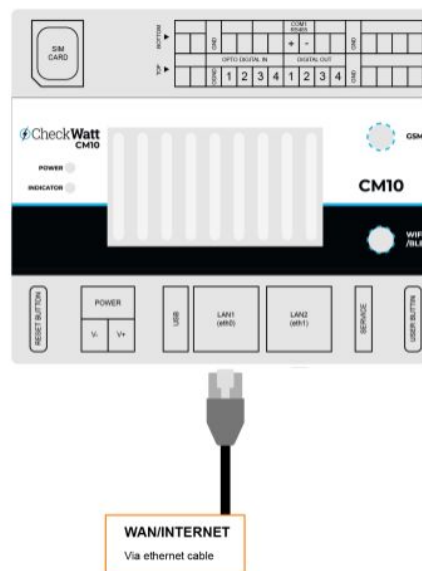


Installation: Internet connection and communication

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.*

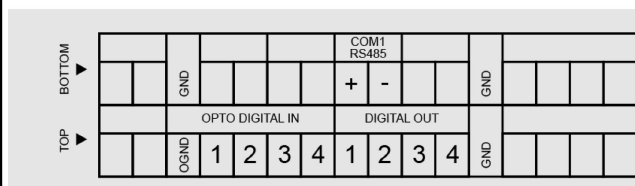
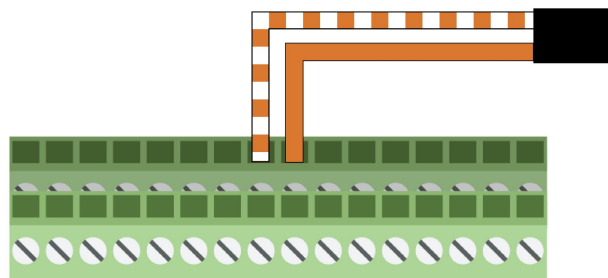
NOTE! LAN 1 and LAN 2 must not be mixed up as they have different functions.



The **ethernet** cable needs to be **stripped** on **one side** where pin 1 (white/orange) and pin 2 (orange) represent 485A and 485B, respectively.

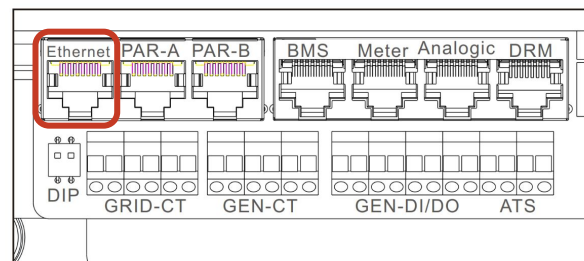
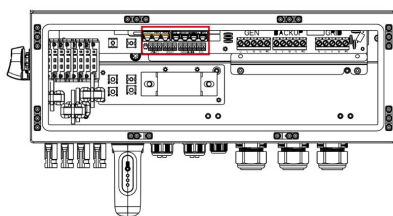
Connect the **white/orange** cable to terminal **#8** on the rear row marked **COM +**.

Connect the **orange** cable to terminal **#9** on the rear row marked **COM -**.



Installation: Internet connection and communication

Connect the ethernet cable into the Solis inverter through the input marked **Ethernet**.



Settings

1 a) Allow Grid
Charging, set to **Enable**.

Cancel

Allow Grid Charging

Save

Current Value: Disable

Enable



Disable

Firmware update inverter

When the installation is complete, a support ticket should be submitted to the [Solis Service Center](#) to update the inverter to the correct firmware. You can do this by logging in to the Solis Service Center and then clicking on "Submit a Ticket." If you don't have an account, you will need to create one.

In the description, write:

Firmware update for CheckWatt VPP services

Firmware update Leapton battery

For Leapton batteries connected to Solis, the latest firmware for BMS (Battery management system) is required. In order for Leapton to perform the update, the battery needs to be connected to the internet via Wi-Fi. Follow [Leapton's instructions](#) to connect the battery to Wi-Fi.

When the battery is connected, Leapton needs to be notified. Send the following email to Leapton.

Till: service@leaptonenergy.com

Ämne: Update for VPP Services with CheckWatt

Please update the following system for VPP Services with CheckWatt.

Serial number:

Gateway serial number:

Regards [Name]