Installation manual
CheckWatt CM10 and Deye inverter
Updated 2025-01-20
SUN-29.9/30/35/40/50K-SG01HP3-EU

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

⊘CheckWatt

Gamlestadsvägen 18B
415 02 Göteborg
SWEDEN

www.checkwatt.se
info@checkwatt.se
+46 101 88 65 65

Firmware update inverter

The inverter needs to be updated to communicate with CheckWatt CM10. This is done remotely by Deye. Send the email below to service@deye.com.cn.

To: service@deye.com.cn
Subject: Deye Inverter Update for VPP Services with CheckWatt [SERIAL NUMBER]

Please update the following system for VPP Services with CheckWatt.
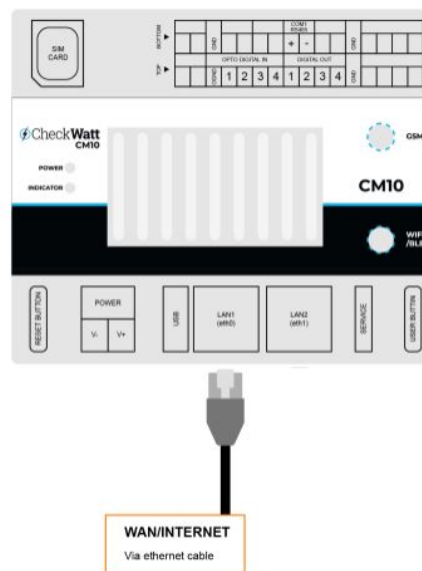Inverter model:
S/N: XXXXXXXXXXXXX

Regards [Name]

CheckWatt

Gamlestadsvägen 18B
415 02 Göteborg
SWEDEN

www.checkwatt.se
info@checkwatt.se
+46 101 88 65 65

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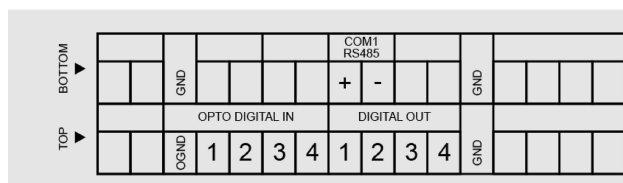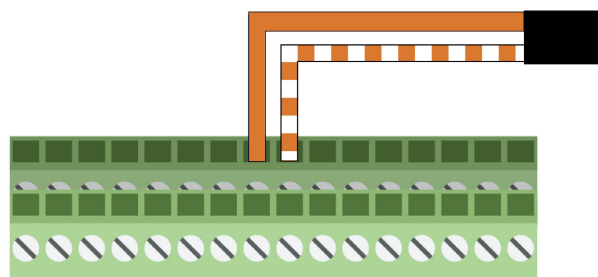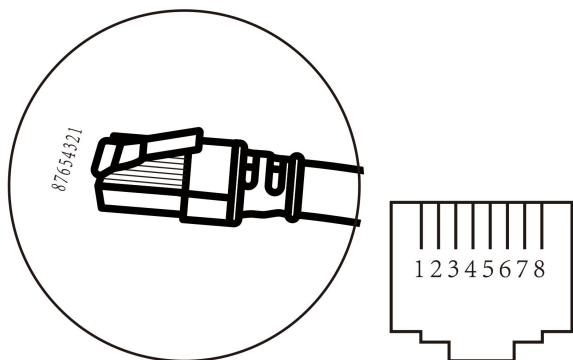*or other network equipment such as PLC-modem, wifi-repeater or network switch.*

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 represents 485_B and pin 2 represents 485_A.

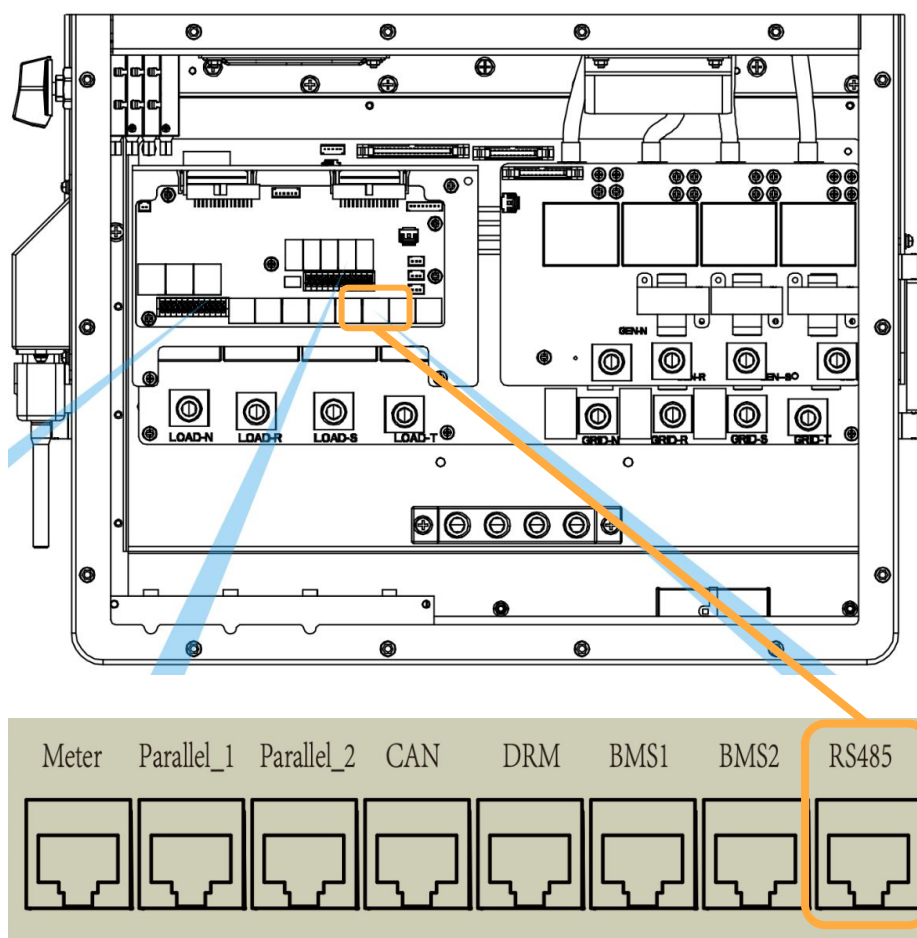Connect **485_A (orange)** to terminal #8 on the rear row labeled **COM +**.

Connect **485_B (orange/white)** to terminal #9 on the rear row labeled **COM -**.

No.		Modbus port
1	▬▬▬▬▬	485_B
2	▬▬▬▬▬	485_A

Installation: Internet connection and communication

Connect the ethernet cable from CM10 to the inverter on the port labeled **RS485**.

Inverter settings

Advanced Function Setup Menu

Under **Advanced Function (Paral. Set3)** set the **Modbus SN** to **01**

Advanced Function

Parallel

Master

Slave

Modbus SN

01

Paral. Set3

EX_Meter For CT

Meter Select

No Meter   0/3
CHNT
Eastron