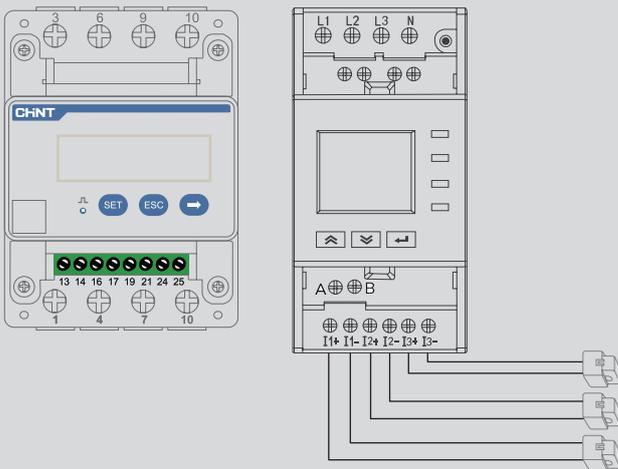


V1.0

Issuing Date
2024-04-24

ECOFLOW POWEROCEAN
Smart Meter



For the latest documents, please scan the QR code or visit:

<https://enterprise.ecoflow.com/eu/documentation>

IMPORTANT

- Before installing, operating, and maintaining the equipment, read and follow up Installation Guide and Safety Instructions.
- For details about the system installation, please see the installation guide that comes together with the inverter.

Connecting Smart Meter

NOTICE

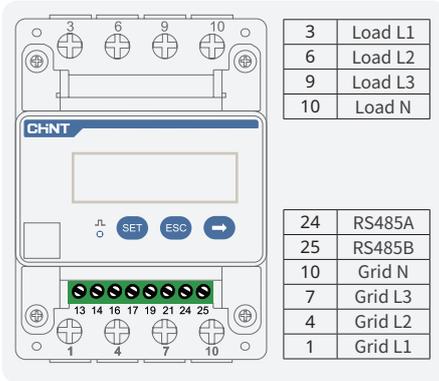
- It is recommend to use of CAT5 or higher rating network cable.
- Smart meter is sold separately, which has been preset parameters before delivered. Do not modify the relevant parameters.
- The compatibility of this product with smart meters may vary by regions and versions. For detailed instructions on the installation and wiring scheme of the smart meter for this product, please refer to the guide that comes together with the meter.
- The cable colors shown in the figures are for reference only. Select an appropriate cable according to the local standards.

1 METER SAMPLING

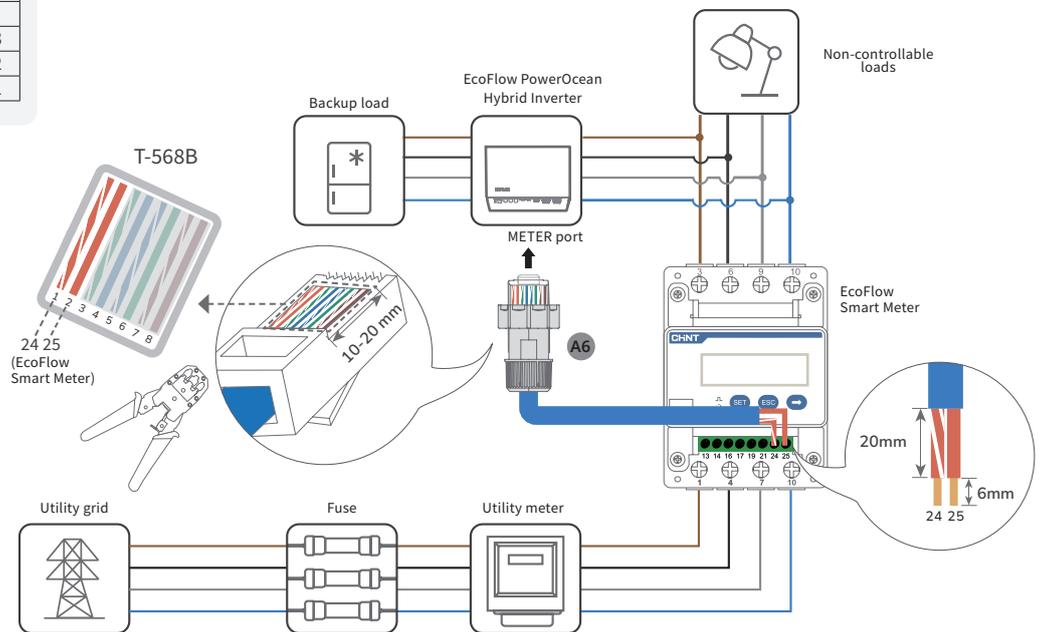
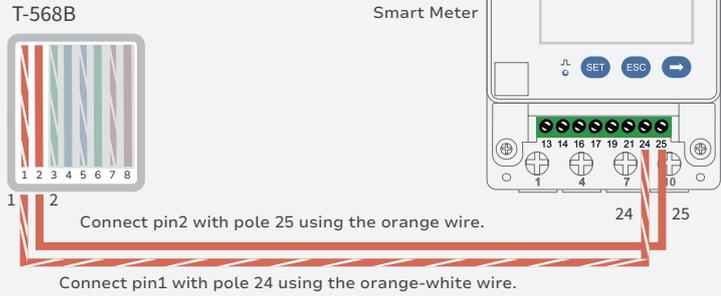
Find the home mains and connect the smart meter as shown in the diagram.

2 METER COMMUNICATION

Find communication port 24,25 on the meter and connect them to the meter port of inverter.



COMMUNICATION WIRING DIAGRAM



Smart Meter Wiring Troubleshooting

NOTICE

- If the LED indicates a faulty status, visit the EcoFlow Pro app to retrieve the error code for troubleshooting.

Error Code	Error Name	Possible Causes	Troubleshooting
132	Power meter wiring error	<ol style="list-style-type: none"> 1. The wiring on the grid side and the load side of the meter are reversed. 2. In the case of a meter with an external CT, the CT is incorrectly installed or the current is sampled incorrectly. 	<ol style="list-style-type: none"> 1. Check if the wiring of the power meter is correct. 2. If the wiring is wrong, use the App to turn off the device. Disconnect the PV SWITCH, BATTERY SWITCH, and AC output switch of the inverter. Press and hold the BATTERY ON/OFF button for 10 seconds until the indicator of the battery junction box goes off. Wait for 5 minutes. After 5 minutes, adjust the wiring. Close the BATTERY SWITCH, AC output switch and DC input switch of the inverter in sequence again. Then use the App to start the device again. 3. If the wiring is correct and the fault persists, use the App to turn off the device. Disconnect the PV SWITCH, BATTERY SWITCH, and AC output switch of the inverter. Press and hold the BATTERY ON/OFF button for 10 seconds until the indicator of the battery junction box goes off. Wait for 5 minutes. After 5 minutes, close the BATTERY SWITCH, DC input switch, and AC output switch of the inverter in sequence. Then use the App to start the device again. 4. If the fault persists, please contact EcoFlow Customer Service.
523	Power meter communication alarm	<ol style="list-style-type: none"> 1. Communication cable connection error (disconnection or the RS485A/B is reversely connected). 2. The meter is not energized. 	<ol style="list-style-type: none"> 1. Use the App to turn off the device. Disconnect the PV SWITCH, BATTERY SWITCH, and AC output switch of the inverter. Press and hold the BATTERY ON/OFF button for 10 seconds until the blinking indicator of the energy storage module goes off. Wait for 5 minutes. 2. Check if the communication wiring between the power meter and inverter is correct. 3. Verify that the wiring is correct and normal. Then turn off the BATTERY SWITCH, AC output switch and DC input switch of the inverter in sequence. Then use the App to start the device again. 4. If the alarm persists, please contact EcoFlow Customer Service.

Installing Smart Meter With External CT

NOTICE

- It is recommend to use of CAT5 or higher rating network cable.
- Smart meter is sold separately, which has been preset parameters before delivered. Do not modify the relevant parameters.
- The compatibility of this product with smart meters may vary by regions and versions. For detailed instructions on the installation and wiring scheme of the smart meter for this product, please refer to the guide that comes together with the meter.
- The cable colors shown in the figures are for reference only. Select an appropriate cable according to the local standards.

1 CONNECTING SMART POWER SENSOR COMMUNICATION CABLE

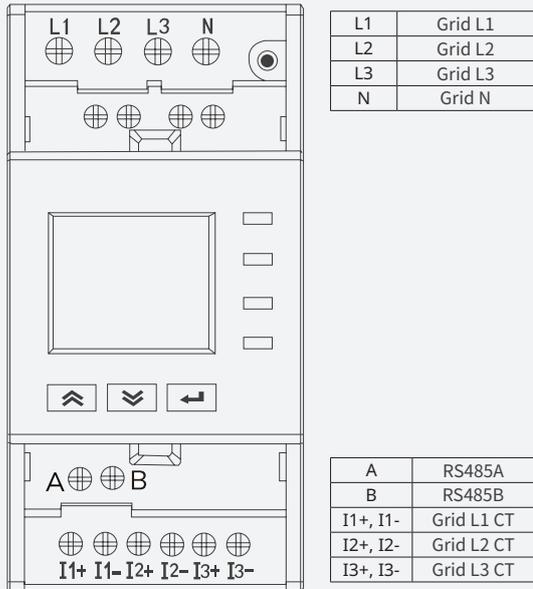
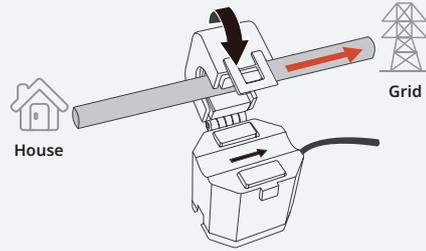
Connect the orange and white, orange wires to the terminal A(+), B(-) of smart meter (install the tubular terminal at the end of wire if needed). Refer to the following figure line 1

2 METER VOLTAGE SAMPLING

Refer to line 2 below, terminal 1, 2, and 3 are wired to phase a, b, and c, respectively, to complete the voltage sampling.

3 METER CURRENT SAMPLING

Refer to line 3 in the figure below, terminal I1+, I1- are wired to a-phase CT, terminal I2+, I2- are wired to b-phase CT, terminal I3+, I3- are wired to c-phase CT.



COMMUNICATION WIRING DIAGRAM

