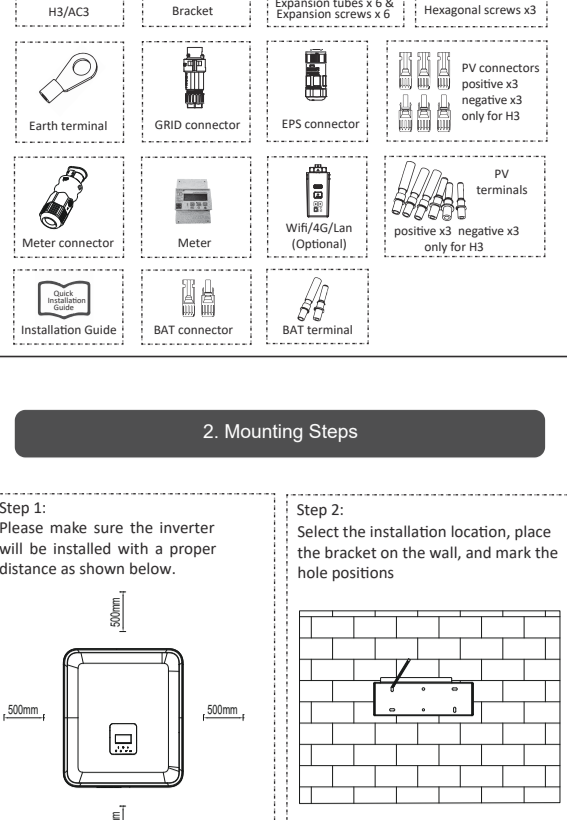


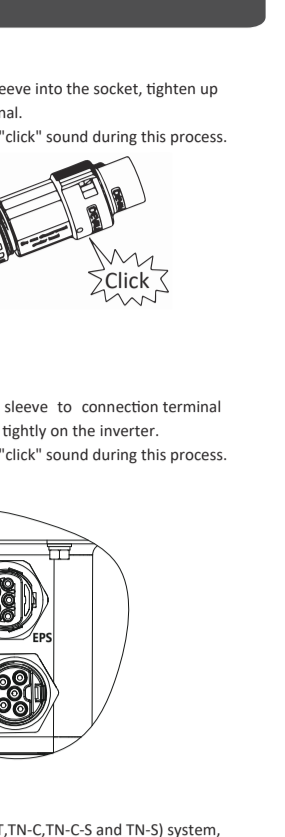
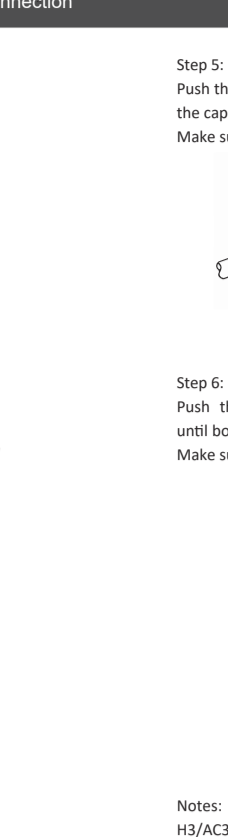
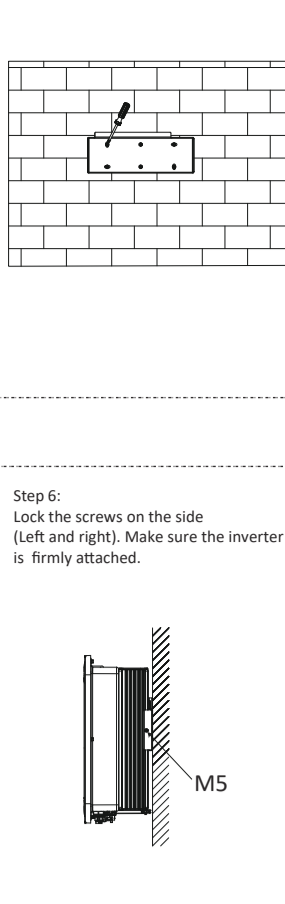
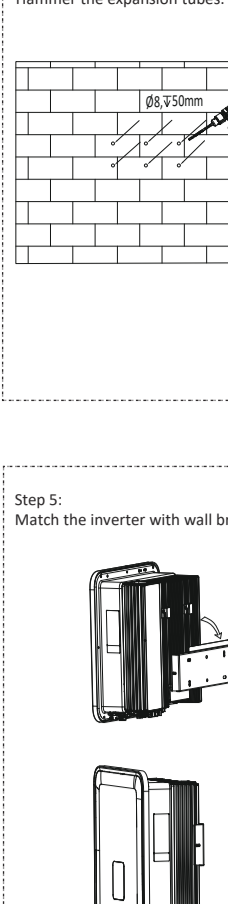
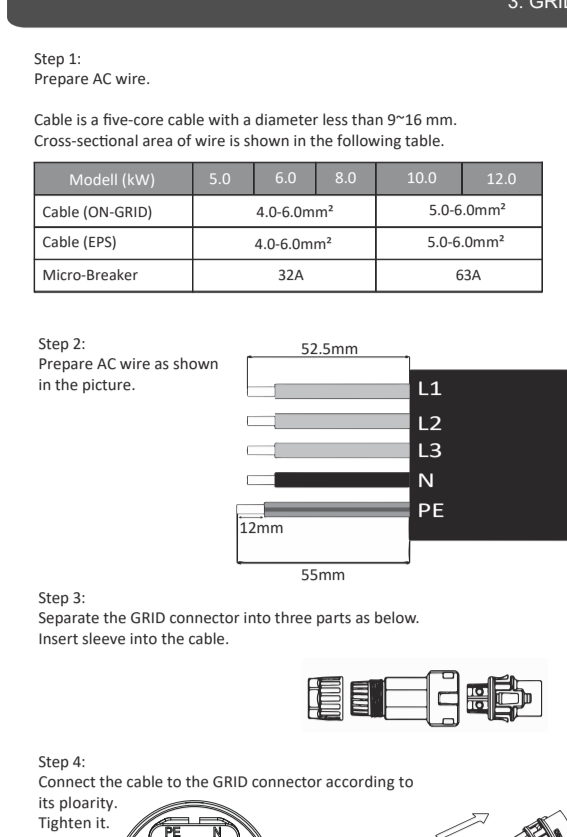
Quick Installation Guide

3-12kW Three-Phase Storage Inverter

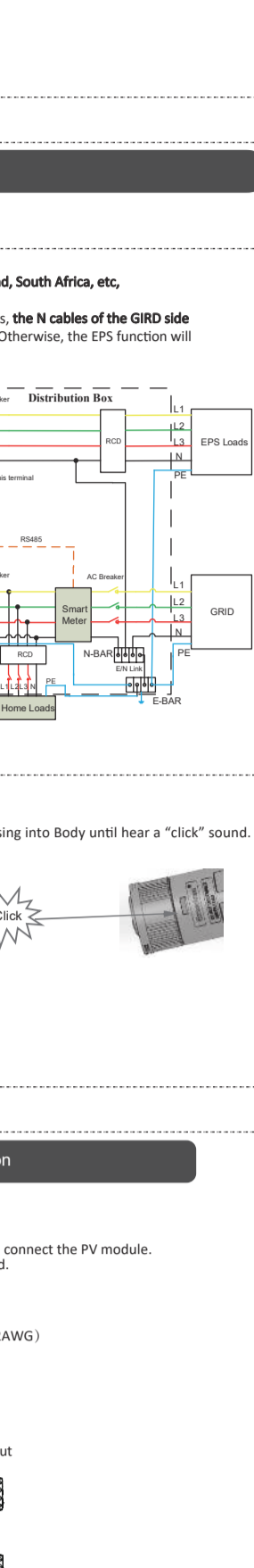
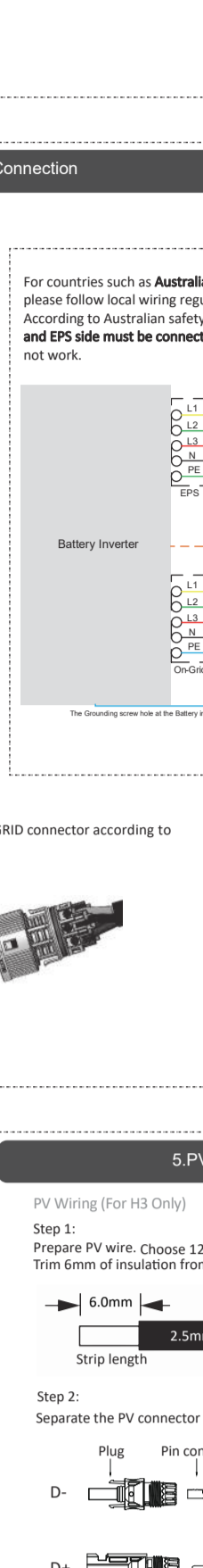
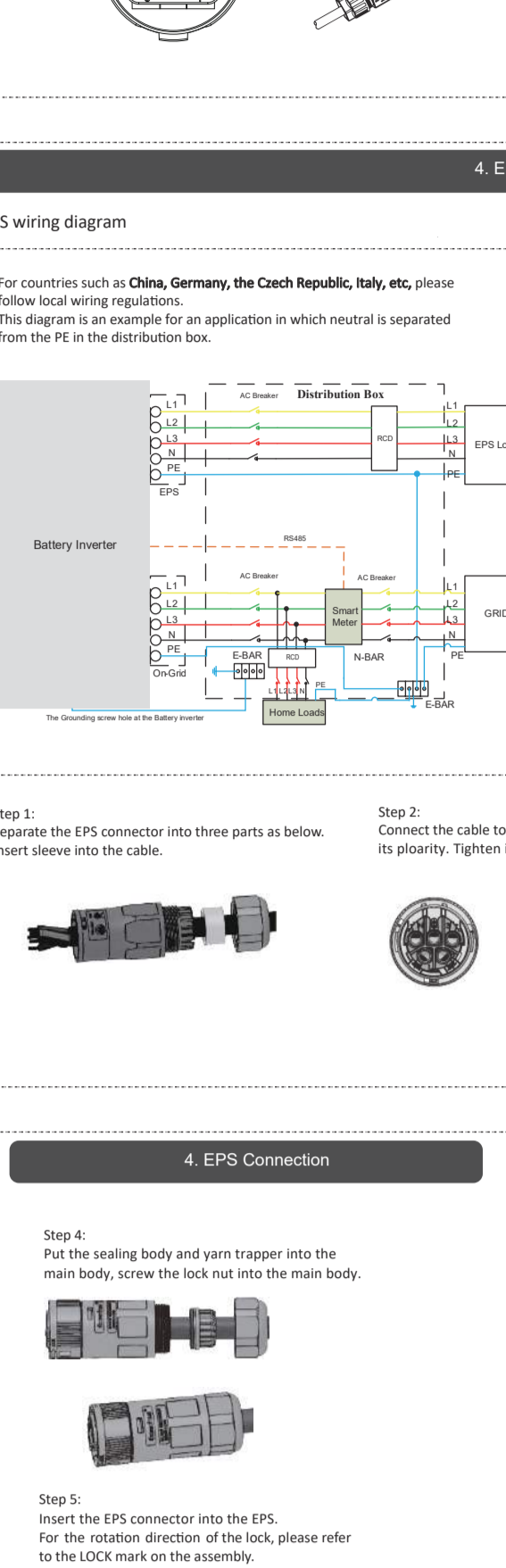
1. Packing List



2. Mounting Steps

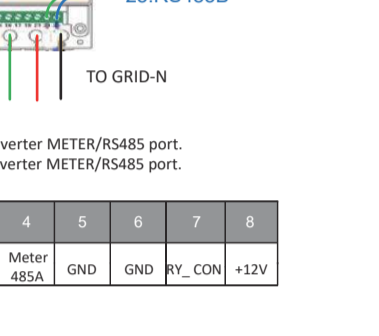
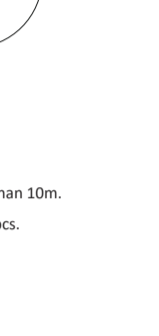
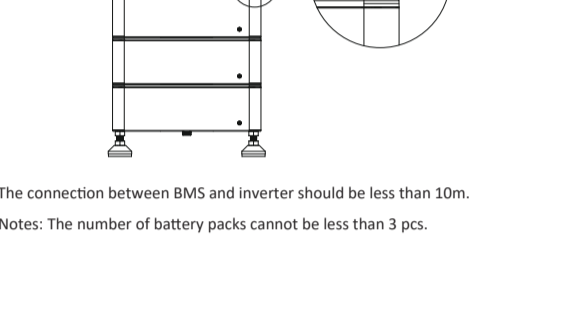
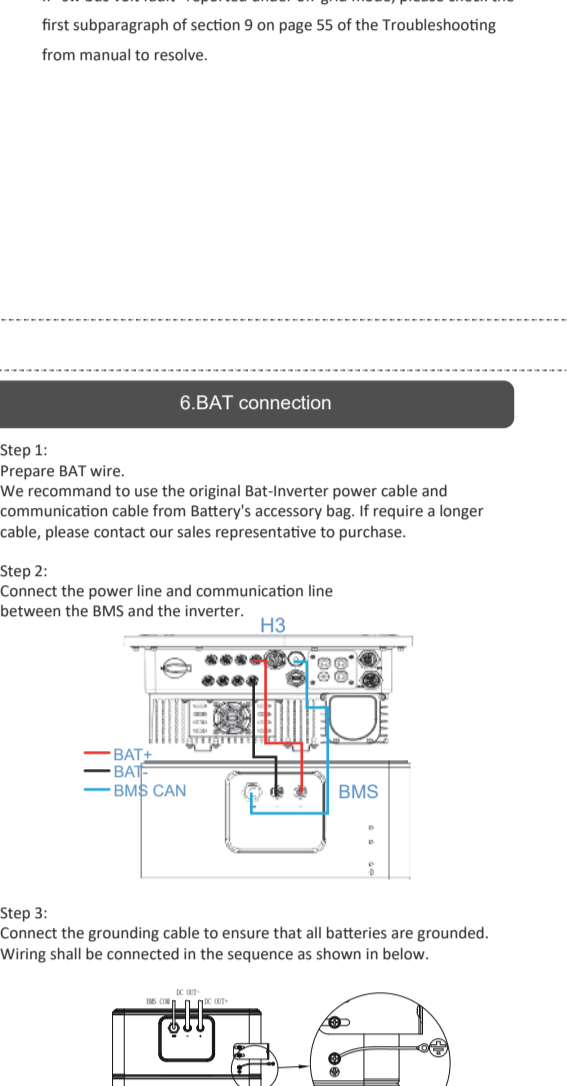


3. GRID Connection

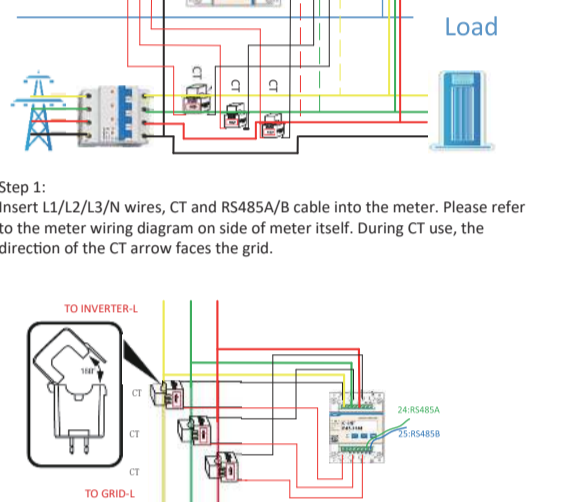
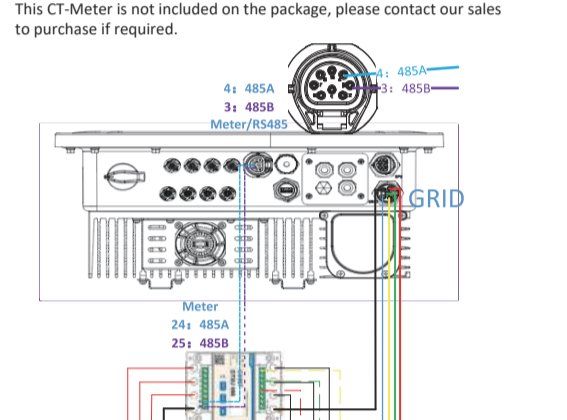


Notes:
H3/AC3 is 3L-N-PE(TT, TN-C, TN-C-S and TN-S) system, N line is required.
Otherwise, an sw bus voltage fault will be triggered.

4. EPS Connection

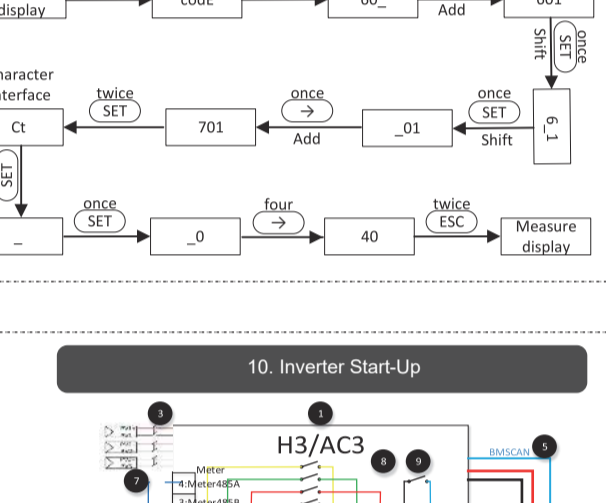
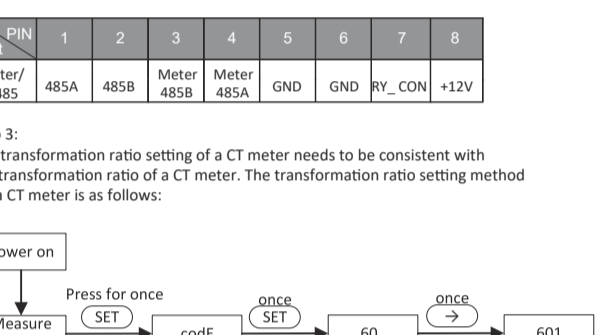
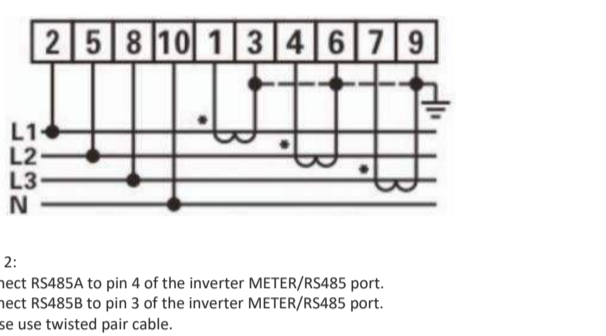


4. EPS Connection

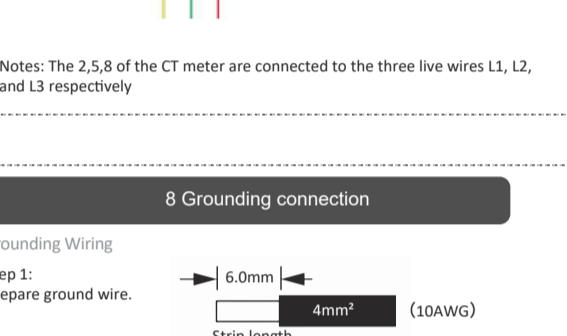
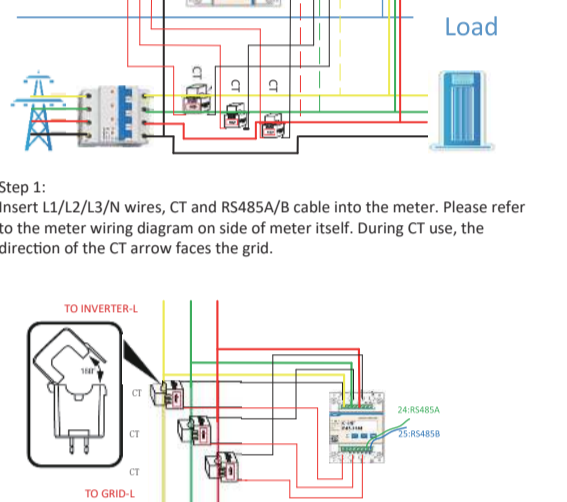
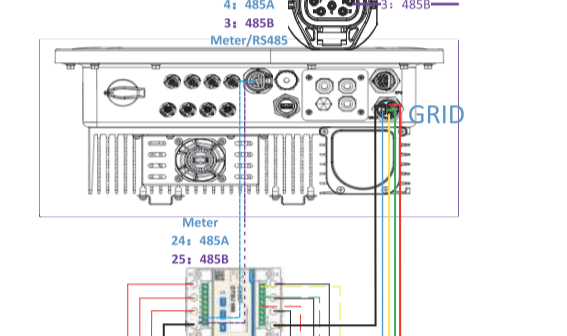


Notes:
If 'sw bus volt fault' reported under off-grid mode, please check the first subparagraph of section 9 on page 55 of the Troubleshooting manual to resolve.

5. PV connection

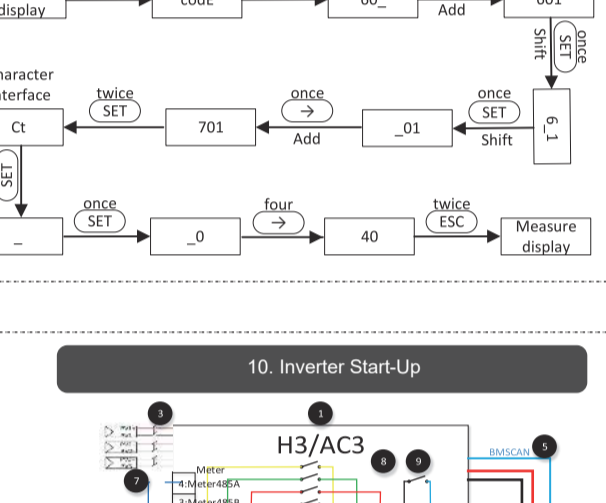
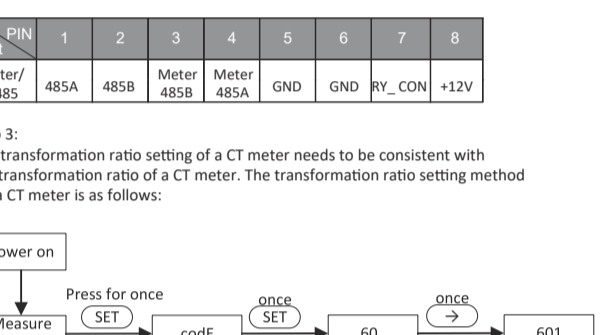
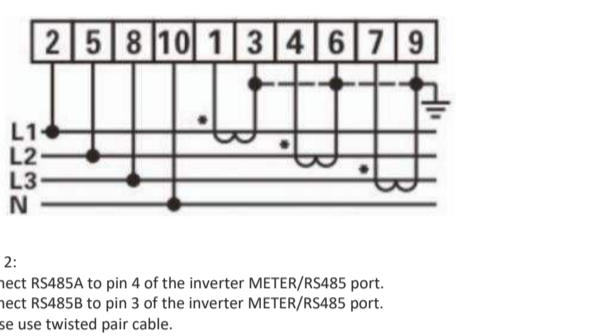


6. BAT connection



The connection between BMS and inverter should be less than 10m.
Notes: The number of battery packs cannot be less than 3 pcs.

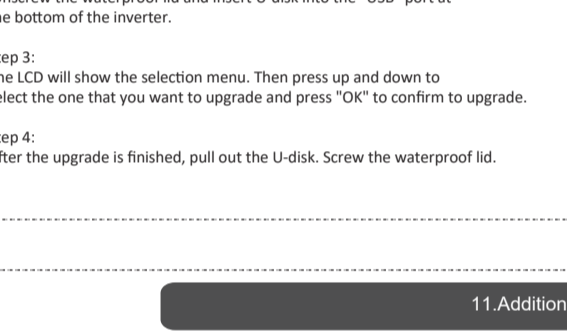
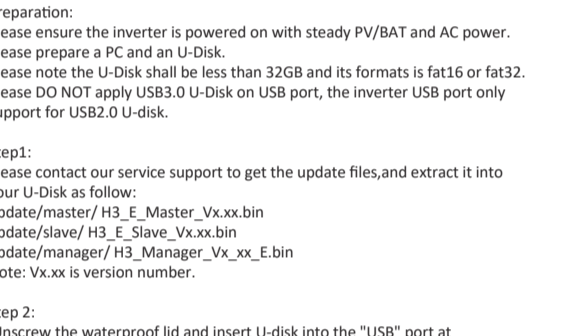
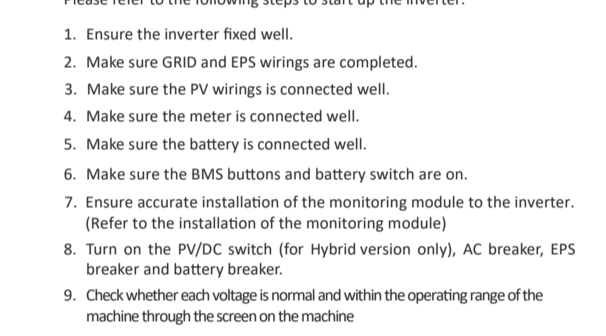
7. Meter connection



Port/RS485	1	2	3	4	5	6	7	8
METER/RS485	485A	485B	Meter 485B	Meter 485A	GND	GND	PV_COM	+12V

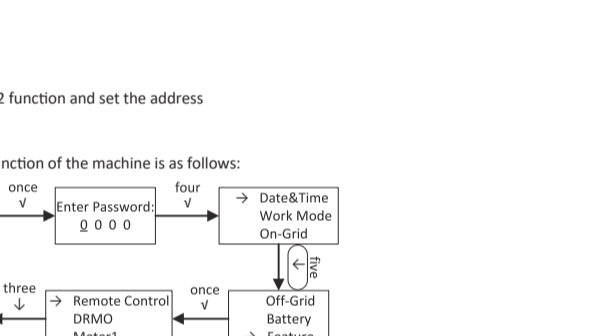
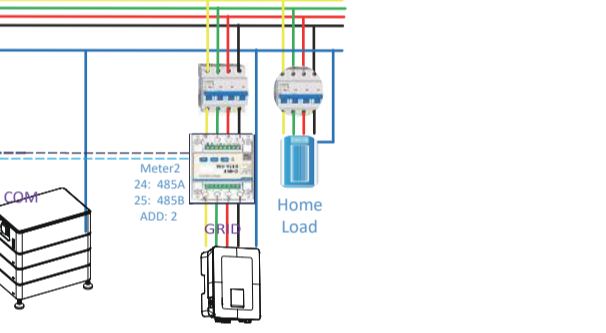
This CT Meter is not included on the package, please contact our sales to purchase if required.

CT to CT meter connection: CT S1+ end access to the CT meter 1, 4, 7 ports; S2+ end access to the CT meter 3, 6, 9 ports. The following diagram shows the wiring diagram of CT to CT meter:

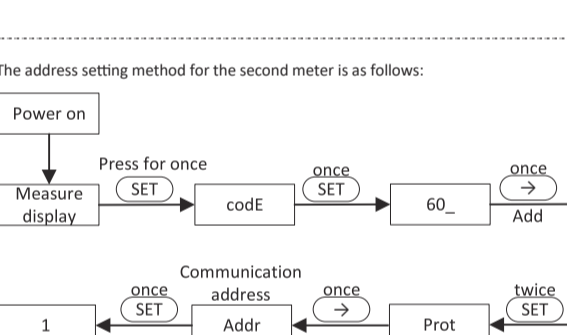


Notes: The 2,5,8 of the CT meter are connected to the three live wires L1, L2, and L3 respectively.

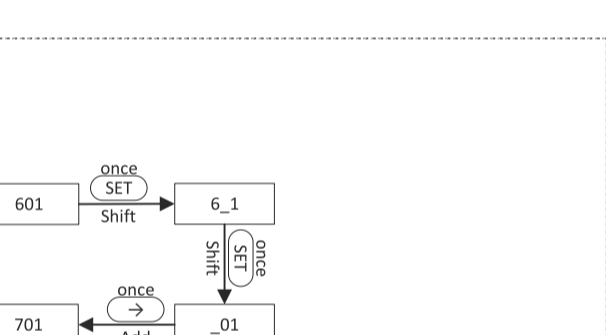
Step 3: The transformation ratio setting of a CT meter needs to be consistent with the transformation ratio of a CT meter. The transformation ratio setting method for a CT meter is as follows:



8 Grounding connection



10. Inverter Start-Up



9. Firmware Update

Preparation: Please ensure the inverter is powered on with steady PV/BAT and AC power. Please prepare a PC and an U-Disk. Please note the U-Disk shall be less than 32GB and its format is FAT16 or FAT32. Please DO NOT apply USB2.0 U-Disk on USB port, the inverter USB port only support for USB2.0 U-Disk.

Step 1: Please contact our service support to get the update files, and extract it into your U-Disk as follows: update/master/H3_E_Master_Vx.xx.bin, update/Slave/H3_S_Slave_Vx.xx.bin, update/manager/H3_Manager_Vx.xx_E.bin. Note: Vx.xx is version number.

Step 2: Uncover the waterproof lid and insert U-disk into the "USB" port at the bottom of the inverter.

Step 3: The LCD will show the selection menu. Then press up and down to select the one that you want to upgrade and press "OK" to confirm to upgrade.

Step 4: After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

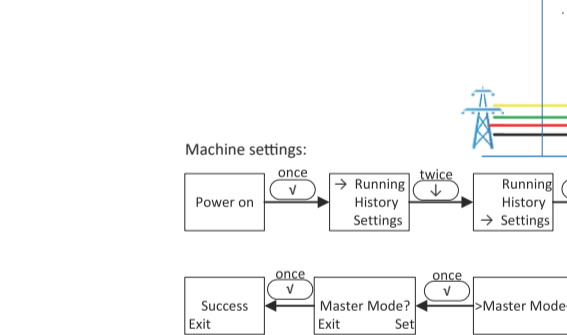
Please refer to the following steps to start up the inverter.

1. Ensure the inverter fuses well.
2. Make sure GRID and EPS wirings are completed.
3. Make sure the PV wirings is connected well.
4. Make sure the meter is connected well.
5. Make sure the battery is connected well.
6. Make sure the BMS buttons and battery switch are on.
7. Ensure accurate installation of the monitoring module to the inverter. (Refer to the installation of the monitoring module)
8. Turn on the PV/DC switch (for Hybrid version only), AC breaker, EPS breaker and battery breaker.
9. Check whether each voltage is normal and within the operating range of the machine through the screen on the machine.
10. If the main page shows "Switch off", please long press "Y" bottom to quickly go to the START/STOP page and set it to start. (Enter the settings page, default password is '0000').

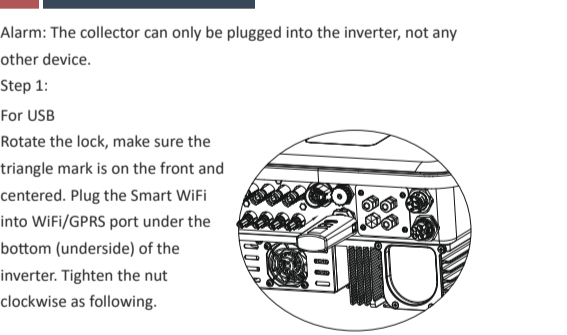
Note:
- When starting inverter for the first time, the country code will be set by default to the local settings. Check if the country code is correct.
- Set the time on the inverter using the button or by using the APP.

11. Additional Functions

Dual meter function: A dual meter uses a second meter to detect the power generated by other power generating equipment and synchronize it to the EPS platform. The wiring diagram for the dual meter function is as follows.



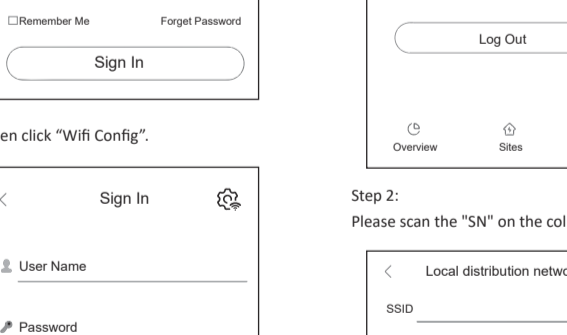
Notes: It is necessary to set the machine to enable the meter2 function and set the address of meter2 to 2.



The address setting method for the second meter is as follows:

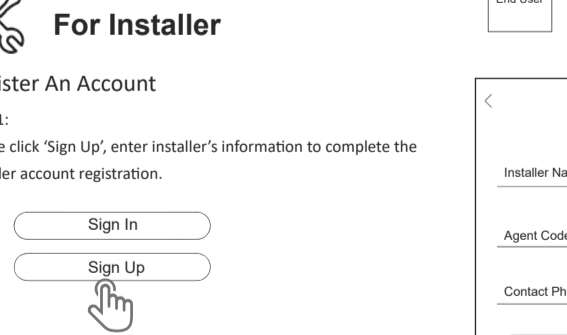


Off GRID and parallel function: The off network and parallel operation function requires a matching off network and parallel operation box EPS 3P/4wire, which is a necessary equipment for off network and parallel operation. At the same time, Master is set up to connect parallel and parallel. The specific wiring diagram is as follows:

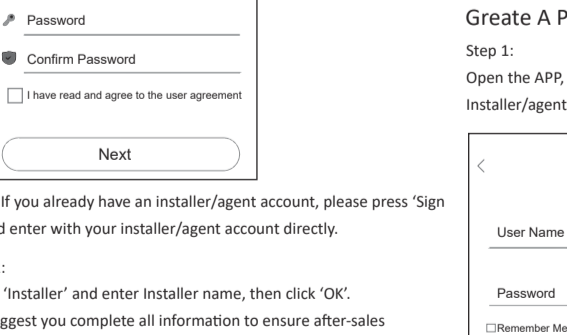


Notes: When connecting parallel lines, please connect parallel1 to parallel2, and prohibit parallel1 from connecting parallel1. Please refer to the User Manual for specific parallel details.

The specific setting method for setting machines that only connect to Parallel2 as hosts is as follows:

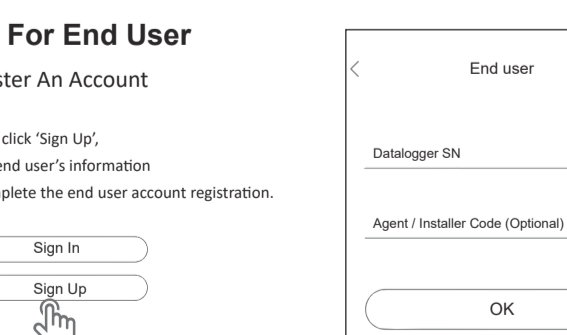


Introduction of EPS BOX PRO: The EPS BOX PRO is a wiring box for the H3. The box has a power distribution meter and switching device that can add all house loads to the load port and can automatically switch the load power to the EPS port of the inverter in the event of an off-grid situation. Below is the reference wiring for the EPS BOX PRO:



H3 The Pin definitions of Meter/RS485 interface:

Definition	1	2	3	4
Meter/RS485	485A	485B	GND	+12V
Meter/RS485	485A	485B	GND	+12V



12. WiFi Stick Installation

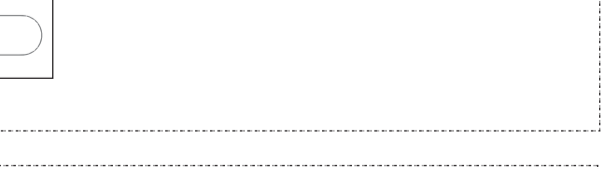


Step 2: Power on the inverter (in accordance with the start-up procedure detailed in the installation manual).

3. Configuration

Note: The module is powered on and started, please wait for one minute to start the WiFi Config. Web Configuration

Step 1: Connect your mobile device with Smart WiFi. The SSID of the Smart WiFi is 'Wxxxx' and the password is 'mmtm2020'.



Step 2: After connecting successfully. Open browser and enter '192.168.1.1' on the address bar top.

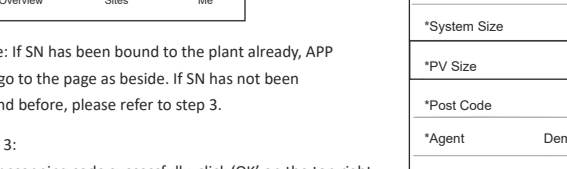


APP Configuration

Step 1: Open the APP, click "Local Distribution Network" on the login page.



Then click "WiFi Config".



Step 2: Please scan the "SN" on the collector.



Step 3: Connect your mobile device with Smart WiFi. The SSID of the Smart WiFi is 'Wxxxx' and the password is 'mmtm2020'.

Step 4: Please enter "Device WiFi" and "Password", then click "OK".



Step 5: Distribution network is successful.



4. Register An Account and Create A Plant

For Installer

Register An Account

Step 1: Please click 'Sign Up', enter installer's information to complete the installer account registration.

Note: If you already have an installer/agent account, please press 'Sign In' and enter with your installer/agent account directly.

Step 2: Select 'Installer' and enter installer name, then click 'OK'. We suggest you complete all information to ensure after-sales service.

Note: The installer: Agent: The agent/distributor/installation company.

Create A Plant

Step 1: Open the APP, login with your installer/agent account.

