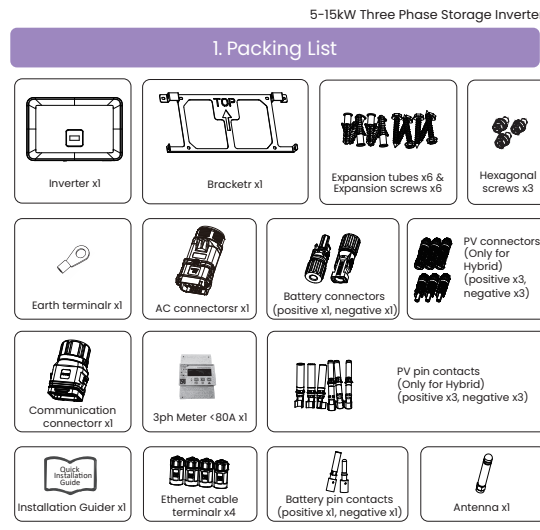
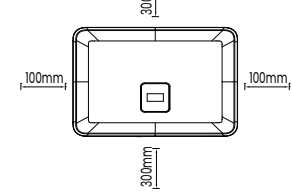


Quick Installation Guide



2. Mounting Steps

Step 1:
Please make sure the inverter will be installed with a proper distance as shown below.



9. RJ45 connection

The machine has three RJ45 terminals, which are meter, Ethernet, and DRM functions.

The definition of meter port pin is as follows:

PIN	1	2	3	4	5	6	7	8
Port	meter 485A	meter 485B	/	/	/	/	meter 485B	meter 485A

The definition of Ethernet port pin is as follows:

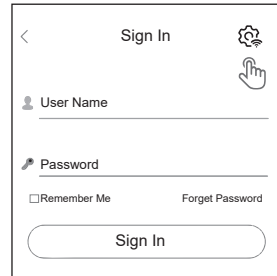
PIN	1	2	3	4	5	6	7	8
Port	Ethernet Tx+	Ethernet Tx-	Ethernet Rx+	Ethernet Rx-	/	/	Rx-	/

The definition of DRM port pin is as follows:

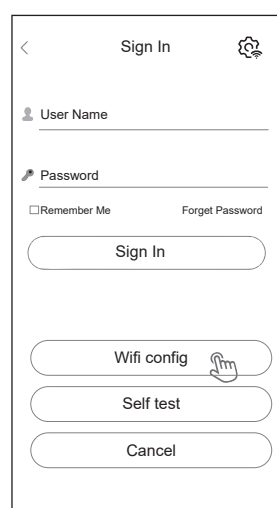
PIN	1	2	3	4	5	6	7	8
Port	DRM +3.3V	DRM1	DRM2	DRM3	DRM4	DRM5	GND	GND

APP Configuration

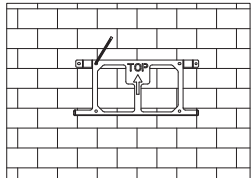
Step 1:
Open the APP, click 'Local Distribution Network' on the login page.



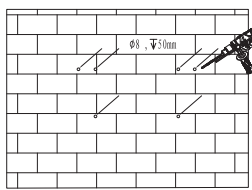
Then click 'Wifi Config'.



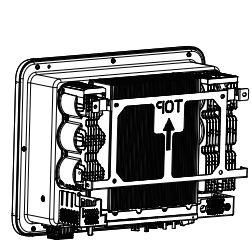
Step 2:
Select the installation location, place the bracket on the wall, and mark the hole positions.



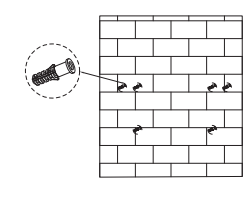
Step 2:
Drill the 8 holes with a φ8 drill bit. Depth: at least 50mm. Hammer the expansion tubes.



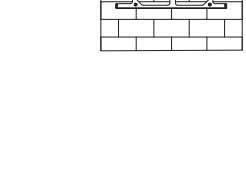
Step 5:
Match the inverter with wall bracket.



Step 4:
Installing the Bracket. Screw the expansion bolts.



Step 6:
Lock the screws on the side (left and right). Make sure the inverter is firmly attached.

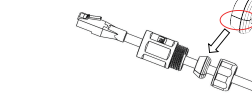


1

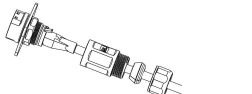
RJ45 Wiring

Installation Procedure of the RJ45 Connector

Step 1
Insert the network cable into the wire-locking nut, sealing plug and mainbody in turn. The sealing plug is stuck into the network cable through the gap on the sealing side.



Step 2
Insert the network cable plug into the matched RJ45 panel mount connector.



Step 4
Insert the sealing plug into the main body of RJ45 cable end connector.



Step 5
Tighten the connector's nut by an open-ended wrench with a torque 12±0.2N.m.



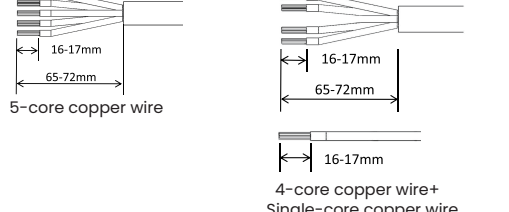
2

3. GRID Connection

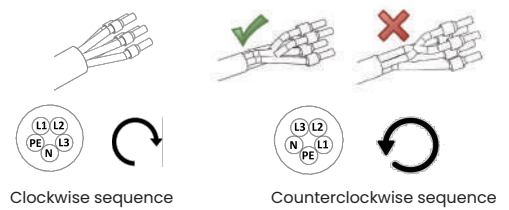
Step 1:
Prepare AC wire. Cable is a five-core cable with a diameter less than 9-16 mm. Cross-sectional area of wire is shown in the following table.

Model (kW)	5.0	6.0	8.0	10.0	12.0	15.0
Cable (GRID)	4.0mm²	4.0mm²	6.0mm²	6.0mm²	6.0mm²	6.0mm²
Cable (EPS)	4.0mm²	4.0mm²	6.0mm²	6.0mm²	6.0mm²	6.0mm²
Micro-Breaker	20A	20A	25A	25A	32A	32A

Step 2:
Dimension of stripping line
Dimension of stripping line outside machine



Step 3:
Wiring Precautions

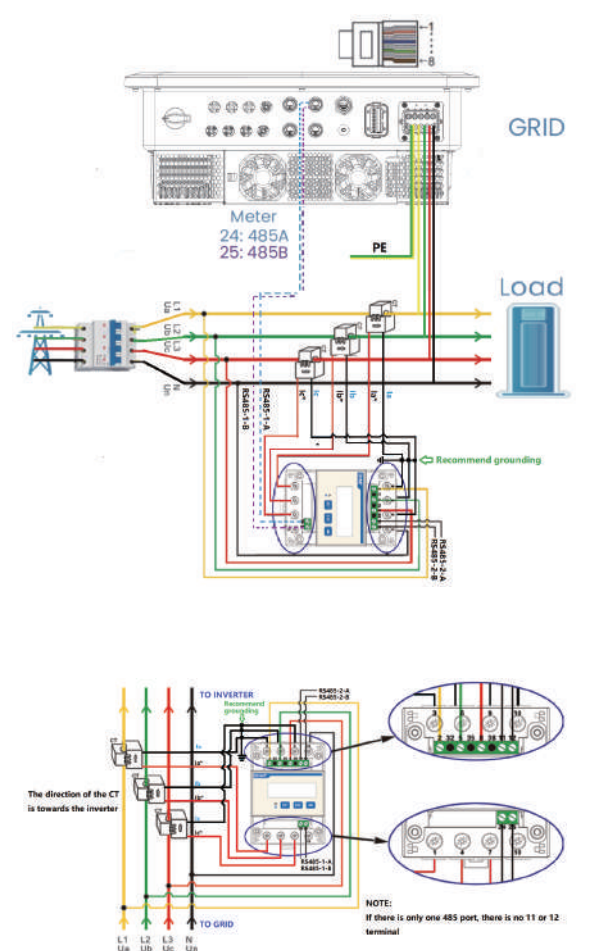


Step 4:
Seal accessory option

A. Ø16: The recommended outer diameter of the cable is 17.5-18.5mm.
B. Ø21: The recommended outer diameter of the cable is 19-21mm.
C. Ø6: When the four wire system is used, the special hole for the ground wire is recommended to be applicable to the outer diameter of the cable. (5-6mm)

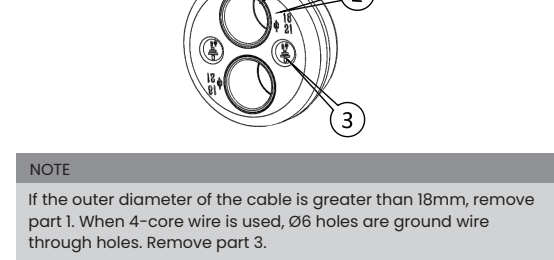
CT-Meter Type

Step 1:
Insert U/I2/3/N wires, CT and RS485A/B cable into the meter. Please refer to the meter wiring diagram on side of meter itself. During CT use, the direction of the CT arrow faces the inverter.



3

4. EPS Connection



NOTE
If the outer diameter of the cable is greater than 18mm, remove part 1. When 4-core wire is used, Ø6 holes are ground wire through holes. Remove part 3.

Installation steps for 5-core wire
Thread the stripped wire into the lock nut and the main body in turn. (the flexible wire needs to be riveted to the insulated terminal)

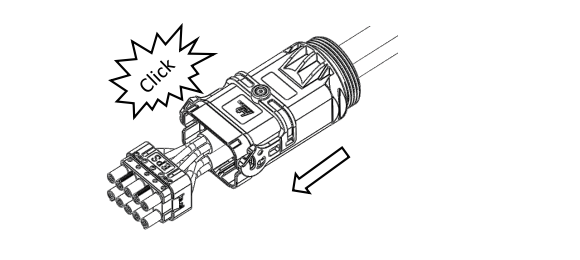
First, insert the EPS end cable into the EPS end of the rubber core, observe the perspective hole cable in place, use S2.5 hex wrench to tighten the screws with a torque of 2.5±0.1N.m.

Insert the GRID end-core wire into the GRID end of the rubber core, observe the perspective hole cable in place, use S2.5 hex wrench to tighten the screws, torque 2.5±0.1N.m;

Insert the GRID end-core wire into the GRID end of the rubber core, observe the perspective hole cable in place, use S2.5 hex wrench to tighten the screws, torque 2.5±0.1N.m;

4

5. PV connection



For countries such as China, Germany, the Czech Republic, Italy, etc, please follow local wiring regulations. This diagram is an example for an application in which neutral is separated from the PE in the distribution box.

For countries such as Australia, New Zealand, South Africa, etc, please follow local wiring regulations. According to Australian safety requirements, the N cables of the GRID side and EPS side must be connected together. Otherwise, the EPS function will not work.

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6. BAT connection

Step 1:
Prepare BAT wire. We recommend to use the original Bat-Inverter power cable and communication cable from battery's accessory bag. If require a longer cable, please contact our sales representative to purchase.

Step 2:
Connect the power line and communication line between the BMS and the inverter.

Step 3:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 4:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

Step 5:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 6:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

Step 7:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 8:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

Step 9:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 10:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

Step 11:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 12:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

Step 13:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 14:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

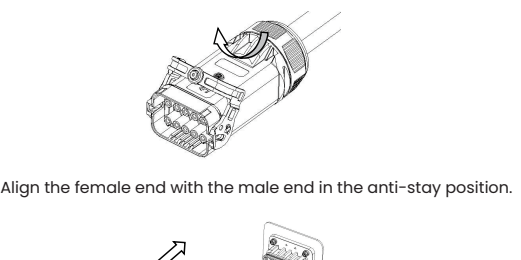
Step 15:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 16:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

Step 17:
To insert terminal. Press the wire and terminal tightly with a wire clamp. Rivet terminal. Ensure the concavity of metal parts and cable at same level/crimped metal parts and cable pull tension 2310N.

Step 18:
Insert pin into the male or female plug. Until hear a 'click'. Tighten the nut on the terminal.

7. Grounding connection



Step 1:
Prepare ground wire. Strip length 6.0mm. Strip length 6mm.

Step 2:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 3:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 4:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 5:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 6:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 7:
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Step 8:
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Step 9:
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Step 16:
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Step 17:
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Step 18:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 19:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 20:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 21:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 22:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

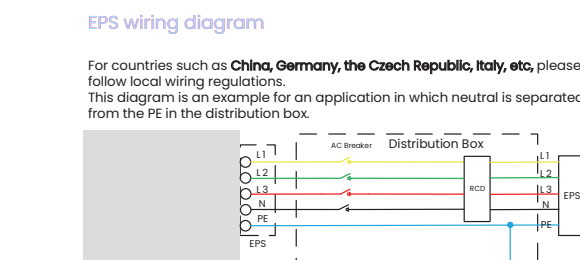
Step 23:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 24:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 25:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

Step 26:
To insert Earth terminal. Press the wire and terminal tightly with a wire clamp.

8. 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 should be less than 32GB and its format is fat16 or fat 32. 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 follow: update/master/ H3_G2_X9_Master_Vxxx.bin update/slave/ H3_G2_X9_Slave_Vxxx.bin update/manager/ H3_G2_Smart_Manager_Vxxx.bin

Step 2:
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 3:
After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

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

Step 5:
After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

Step 6:
After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

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Step 23:
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Step 24:
After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

Step 25:
After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

9. WiFi Stick installation

