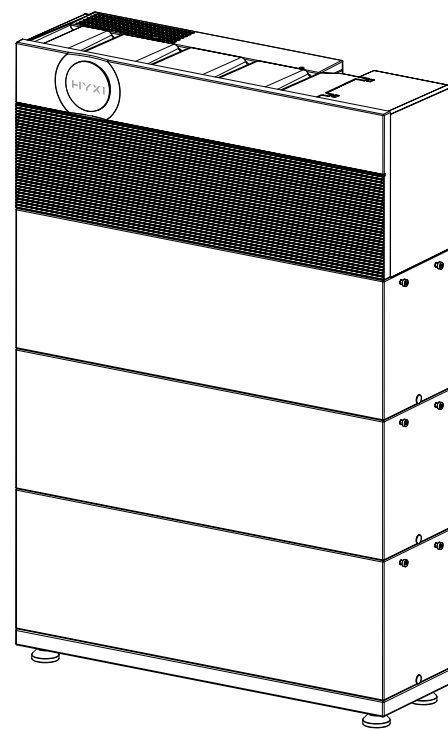


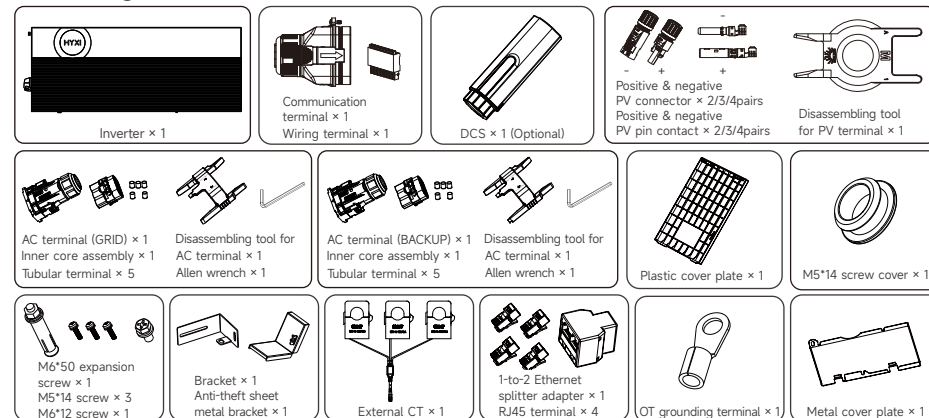
THREE PHASE ALL-IN-ONE STORAGE SYSTEM

HYX-H(5-30)K-HTA2
BAT-Q9

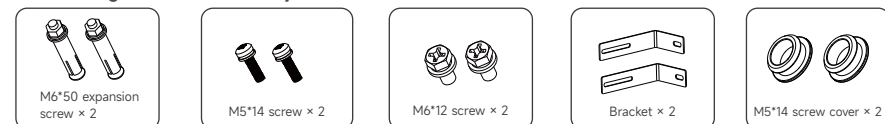


1 Packing List

1.1 Packing List of the Inverter



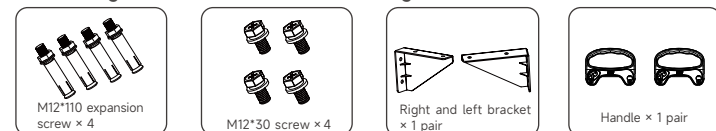
1.2 Packing List of the Battery



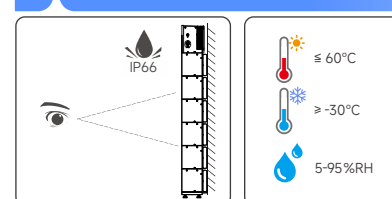
1.3 Packing List of the Base (Floor-mounting)



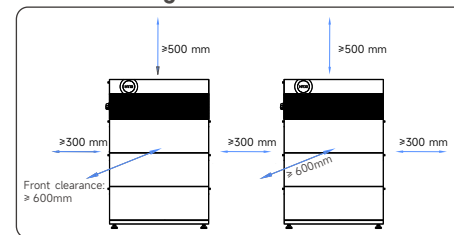
1.4 Packing List of the Base (Wall-mounting)



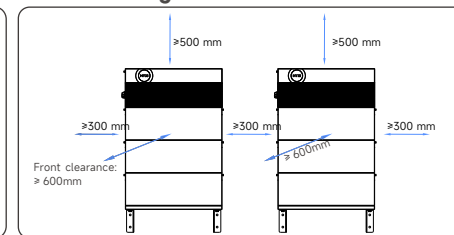
2 Installation Environment



Floor-mounting



Wall-mounting

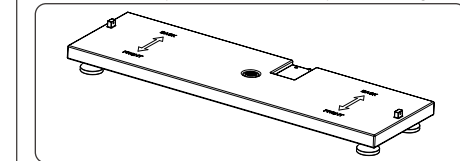


1 Installing The Inverter

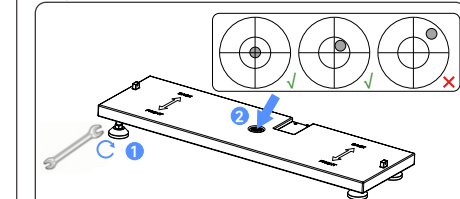
3.1 Floor-Mounting

Base Installation

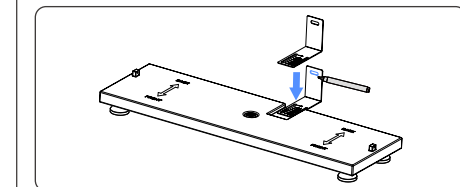
Step 1: Take the base from the packaging, confirm the orientation based on the screen printed on the base, then place it on the ground.



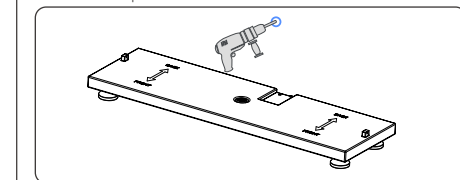
Step 2: The base is equipped with a built-in level and adjustable feet. Rotate the adjustable feet to modify the base height and center the spirit level bubble.



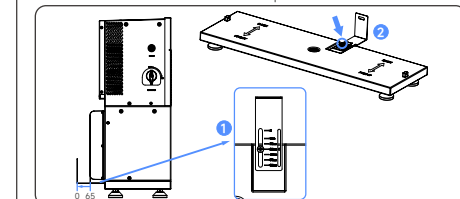
Step 3: Take the bracket from the packaging, and then place the bracket on the base, do not secure the base, mark drilling hole on the wall with a marker.



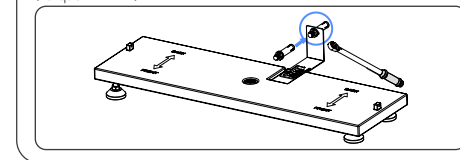
Step 4: Remove the bracket and use a hammer drill to drill a hole in the wall to a depth of 30-40 mm. (Ø 10 drill bit)



Step 5: Determine the distance between the base and the wall based on the screen printed on the bracket (supporting a clearance of 0-65 mm), then use the M6x12 screws from the packaging to mount the bracket onto the base. (Torque: 6 N·m)

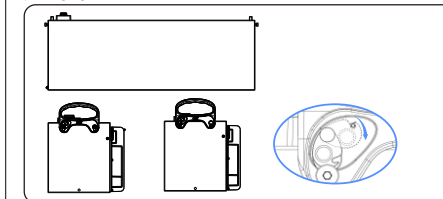


Step 6: Use M6*50 expansion screw to secure the bracket to the wall. (Torque: 12 N·m)

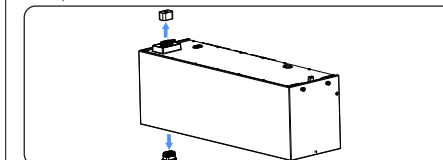


Battery Installation

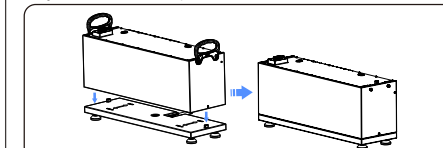
Step 7: Secure the handle at the designated position shown in the figure below, rotate the handle stop clockwise to lock it in place, preventing the handle from falling off. Then lift the battery from the packaging.



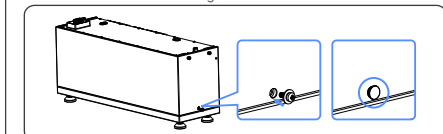
Step 8: Remove the dustproof covers from the upper and lower battery terminals.



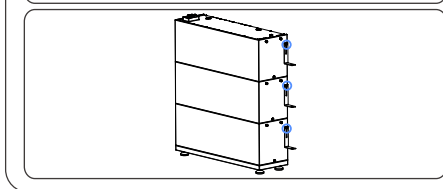
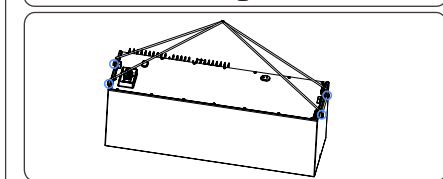
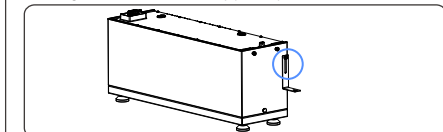
Step 9: Stack the battery on the base.



Step 10: Use M5*14 screws to secure the battery and base, with the screws on both the left and right sides.

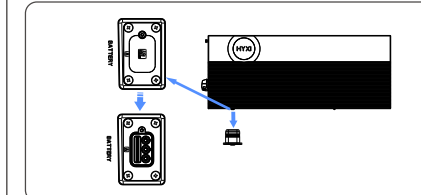


Step 11: Pre-secure the battery brackets on both sides. Use M6*12 screws to pre-secure the bracket to the battery. Do not secure the screws. Repeat the above steps until all batteries are installed. If installing more than three battery packs, please use a crane.

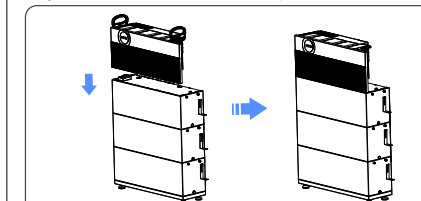


Inverter Installation

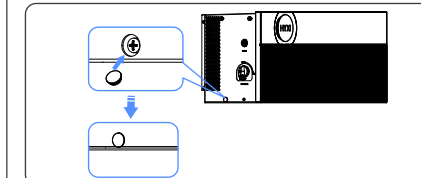
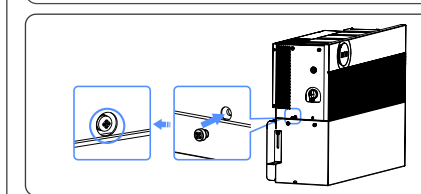
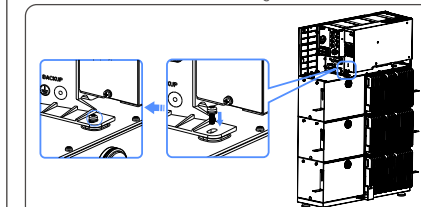
Step 12: Remove the dustproof covers from the inverter's battery terminal.



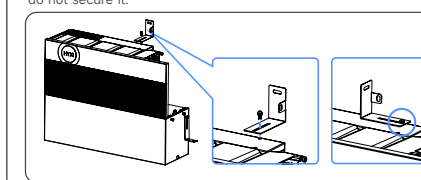
Step 13: Stack the inverter on the battery.



Step 14: Use M5*14 screws to secure the inverter to the battery (Torque: 5 N·m). Install one screw on each side (left and right). Then install the M5*14 screw cover on the right side.



Step 15: Use M6*12 screw to pre-secure the bracket to the inverter, do not secure it.

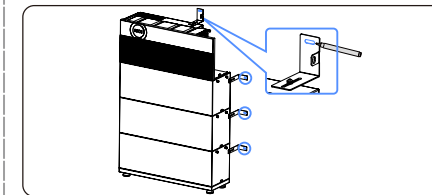


Cover Plate Installation

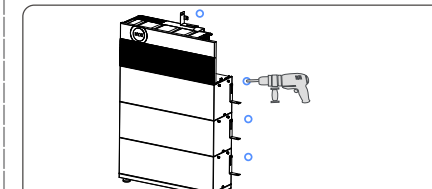
NOTICE

- Install the cover plate after all wiring is complete.

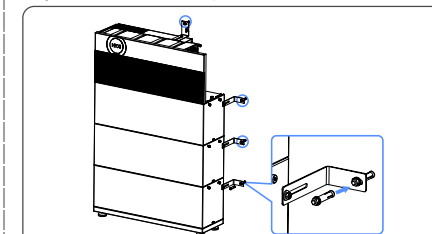
Step 16: Use the bracket for positioning, and then mark the drilling holes with a marker.



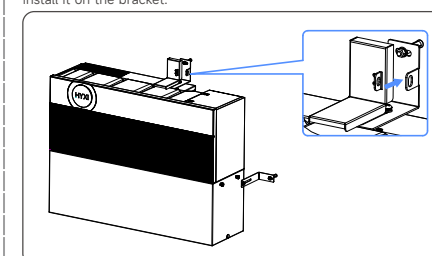
Step 17: Use a hammer drill to drill holes in the wall to a depth of 35-40 mm. (Ø 10 drill bit)



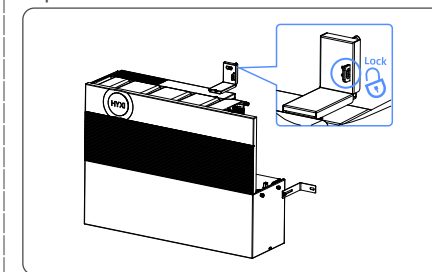
Step 18: Secure the M6*50 expansion screws.



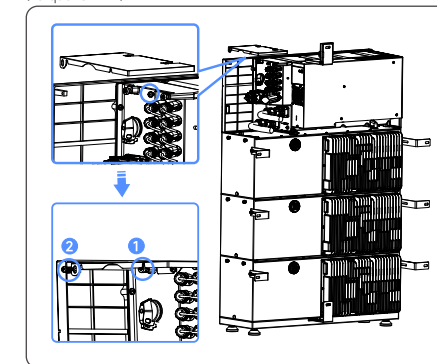
Step 19: Take the anti-theft bracket from the packaging, and then install it on the bracket.



Step 20: Install an anti-theft lock.



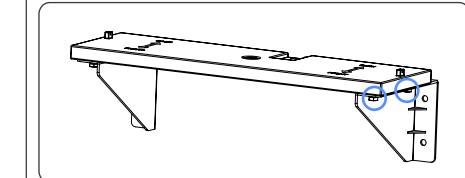
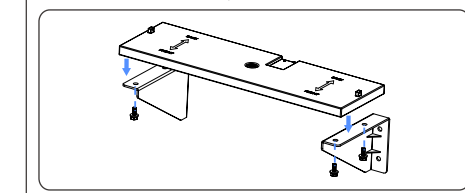
Step 21: Take the metal cover plate from the packaging, and then loosen the screw on the inverter, but do not remove it. Insert one side of the metal cover plate between the inverter and the screw, then tighten the screw, take the M5*14 screw from the packaging and fasten the other side of the metal cover plate to the inverter. (Torque: 5 N·m)



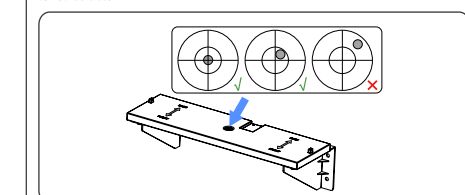
3.2 Wall-Mounting

Cover Plate Installation

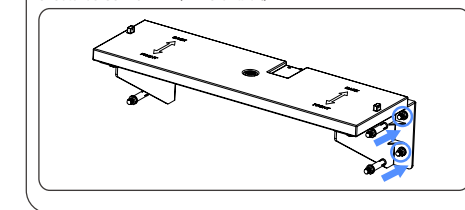
Step 1: Take the base from the packaging, confirm the orientation based on the screen printed on the base, then take the right and left bracket from the packaging, and use the M12*30 screws to secure the brackets on the base. (Torque: 22-28 N·m)



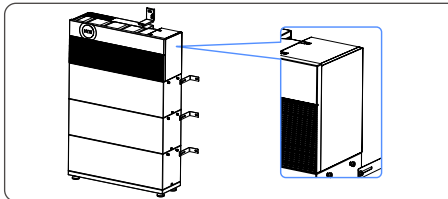
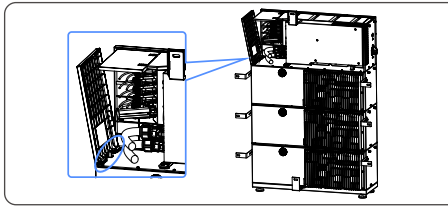
Step 2: The base is equipped with a built-in level, center the spirit level bubble.



Step 3: Make sure the distance between the base and the ground is higher than 300 mm. Use M12*110 expansion screw to secure the bracket to the wall (Torque: 70-80 N·m). The depth of drilling holes should be 85-90 mm. (Ø 16 drill bit)

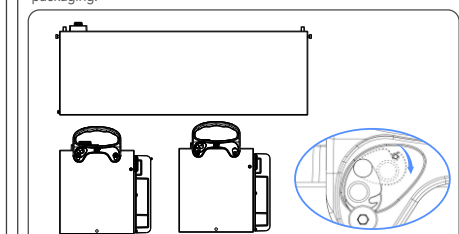


Step 22: Take the plastic cover plate from the packaging, insert the plastic cover plate into the slot on the battery's top cover, and attach the other side to the metal cover plate that was just installed.

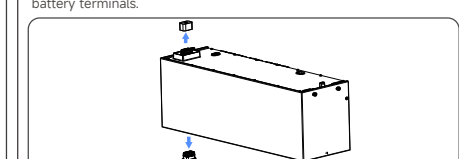


Battery Installation

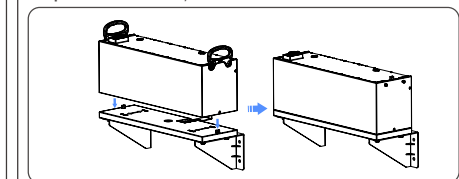
Step 4: Secure the handle at the designated position shown in the figure below, rotate the handle stop clockwise to lock it in place, preventing the handle from falling off. Then lift the battery from the packaging.



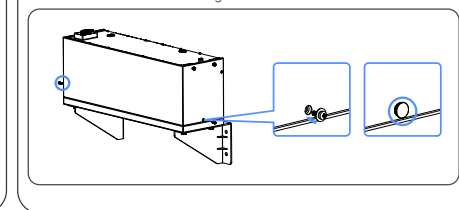
Step 5: Remove the dustproof covers from the upper and lower battery terminals.



Step 6: Stack the battery on the base.

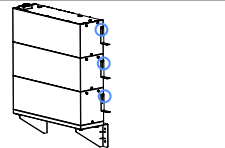
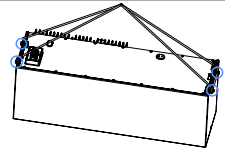
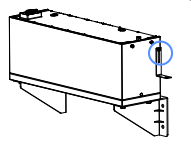


Step 7: Use M5*14 screws to secure the battery and base, with the screws on both the left and right sides.



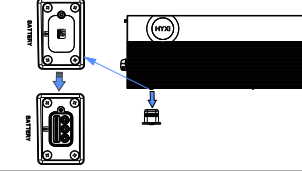
Battery Installation

Step 8: Pre-secure the battery brackets on both sides: Use M6*12 screws to pre-secure the bracket to the battery. Do not secure the screws. Repeat the above steps until all batteries are installed. If installing more than three battery packs, please use a crane.

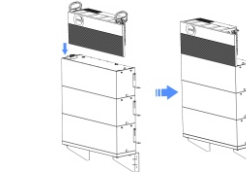


Inverter Installation

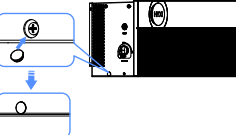
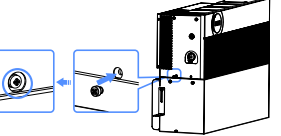
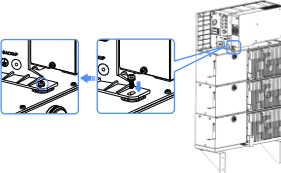
Step 9: Remove the dustproof covers from the inverter's battery terminal.



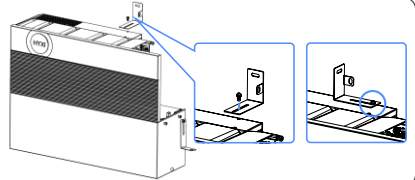
Step 10: Stack the inverter on the battery.



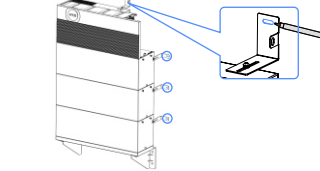
Step 11: Use M5*14 screws to secure the inverter to the battery (Torque: 5 N·m). Install one screw on each side (left and right). Then install the M5*14 screw cover on the right side.



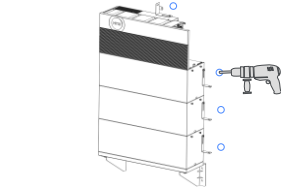
Step 12: Use M6*12 screw to pre-secure the bracket to the inverter, do not secure it.



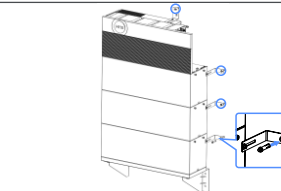
Step 13: Use the bracket for positioning, and then mark the drilling holes with a marker.



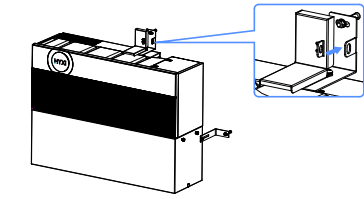
Step 14: Use a hammer drill to drill holes in the wall to a depth of 35-40 mm. (Ø10 drill bit)



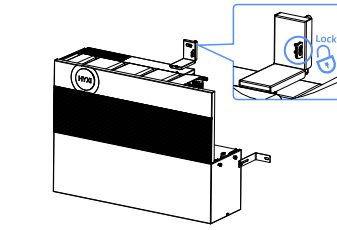
Step 15: Secure the M6*50 expansion screws.



Step 16: Take the anti-theft bracket from the packaging, and then install it on the bracket.



Step 17: Install an anti-theft lock.



Cover Plate Installation

NOTICE

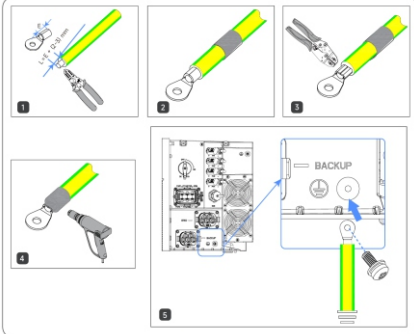
- Install the cover plate after all wiring is complete.
- The installation procedure is identical to that of the floor-mounted cover plate; please refer to the installation steps for the floor-mounted cover plate.

4 Electrical Connection

4.1 Grounding Connection

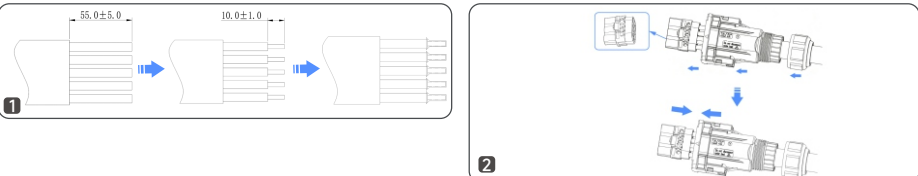
Grounding procedure:

- Step 1:** Strip the insulation layer of the grounding cable as shown in the figure below.
- Step 2:** Insert the heat shrink tubing and OT terminal into the grounding cable.
- Step 3:** Use a crimping tool to crimp the OT terminal.
- Step 4:** Wrap the wire crimping area with the heat shrink tubing, then heat it with a heat gun.
- Step 5:** Use M5*14 screw to secure the grounding cable. (Torque: 5 N·m)

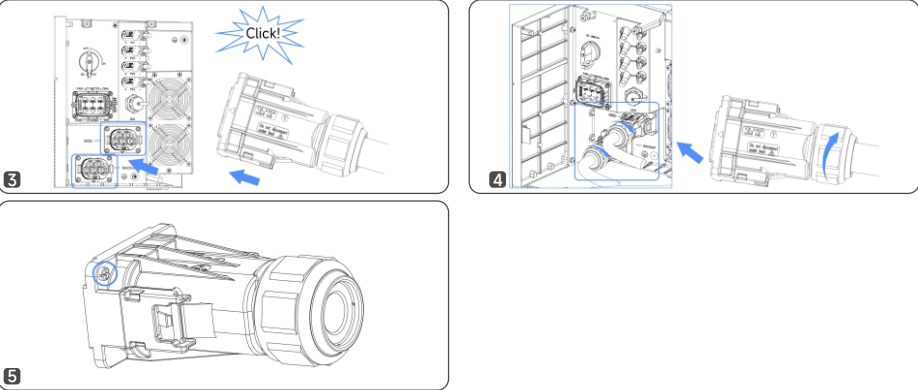


4.2 AC Side Connection

- Step 1:** Strip 55±5 mm of the cable sheath, then strip 10±1 mm of the insulation layer from each wire core. Insert the tubular terminal into the wire core and crimp it with tubular terminal pliers.
- Step 2:** Pass the cable through the swivel nut, sealing plug, and connector in sequence. Then connect the wire core to the corresponding inner core assembly and tighten the screw to secure the connection (Torque: 1.2-2.0 N·m).

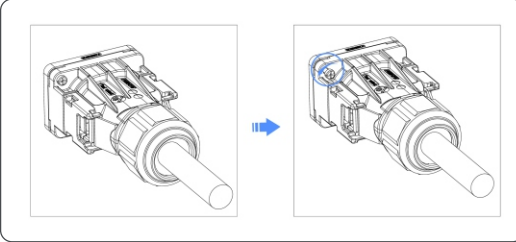


- Step 3:** Insert the assembled AC connector into the inverter's Grid and Backup ports. A click sound indicates successful installation.
- Step 4:** Assemble the sealing plug and the swivel nut in sequence, and then tighten the swivel nut. (Torque: 2.0-2.5 N·m).
- Step 5:** Secure the screw on the AC connector. (Torque: 2.0-2.5 N·m).



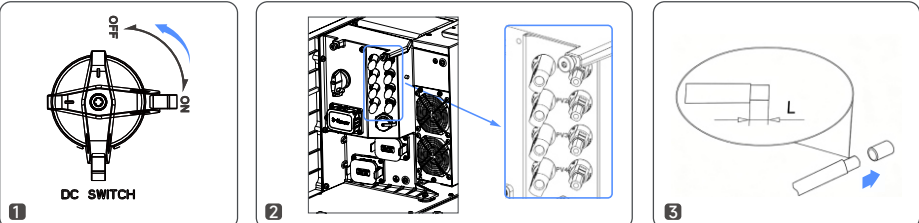
4.3 Disassembling the AC Terminal

- Loosen but not remove the screw on the AC connector.
- For specific steps, please refer to the user manual.

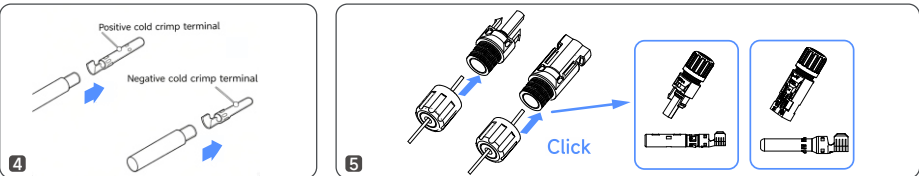


4.4 DC Side Connection

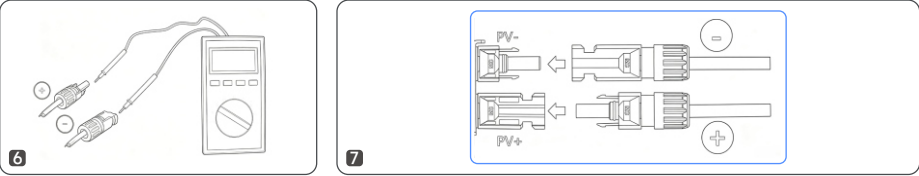
- Step 1:** Turn the DC switch to "OFF", and make sure the system is powered off.
- Step 2:** Remove the dustproof caps from the PV terminals.
- Step 3:** Strip 10±1 mm of the cable sheath.



- Step 4:** Insert the stripped cable into the PV pin contact. And ensure the PV cable and PV pin contact have the same polarity. Then crimp it with a crimping tool.
- Step 5:** Thread the crimped PV cable through the swivel nut, and insert the PV cable into the corresponding negative and positive connector. A "click" will be heard if it is successfully connected.



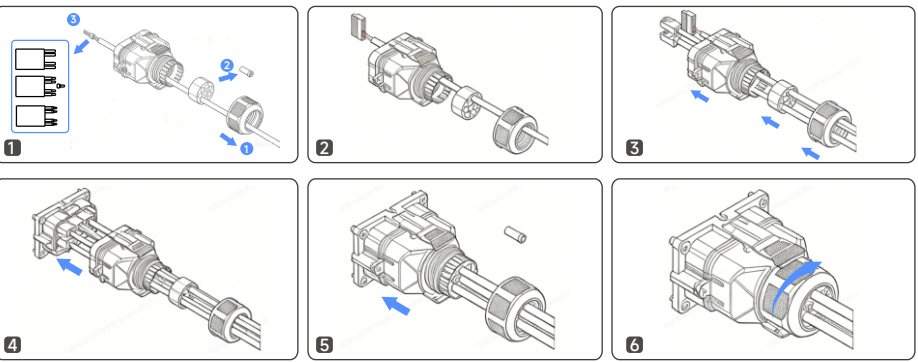
- Step 6:** Use a multimeter to check the correct polarity of the PV cable and ensure that the open-circuit voltage does not exceed the input limit of 600 V.
- Step 7:** Connect the PV connectors to the PV terminals of the inverter. Make sure that PV+ is connected to PV+ and PV- is connected to PV-.



5 Communication Connection

5.1 Communication Connection Steps

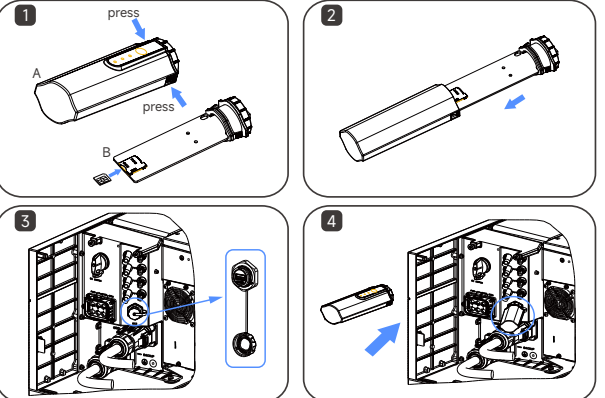
- Step 1:** Unscrew the swivel nut and remove the plug. Strip 50±5 mm of the cable outer sheath, then remove 15±1 mm insulation from each wire core. Fit the tubular terminal onto each wire core and perform crimping using tubular-terminal crimping pliers.
- Step 2:** Insert the cable with the crimped tubular terminal into the plug-in terminal block.
- Step 3:** Thread the network cable through the swivel nut, the sealing plug, and the connector housing in sequence.
- Step 4:** Insert the RJ45 terminals and the plug-in terminal block into the communication port of the inverter.
- Step 5:** Insert the connector housing into the connector, and seal the unused terminals with plugs.
- Step 6:** Tighten the swivel nut. (Torque: 2.5±0.1 N·m)



5.2 DCS Connection

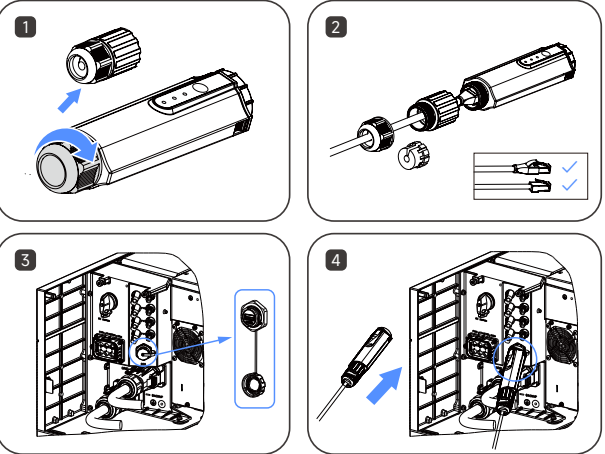
5.2.1 4G Module

- Step 1:** Insert the SIM card into the DCS;
- Step 2:** Install the waterproof cover of DCS;
- Step 3:** Remove the waterproof cover of the DCS port;
- Step 4:** Insert DCS into the DCS port, and make sure it is securely connected.



5.2.2 LAN Module

- Step 1:** Replace the bottom plug of DCS with the LAN plug;
- Step 2:** Insert the network cable into the DCS;
- Step 3:** Remove the waterproof cover of the DCS port;
- Step 4:** Insert DCS into the DCS port, and make sure it is securely connected.



5.2.3 Wi-Fi Module

The inverter features a built-in Wi-Fi module. After installing the app, scan the QR code on the device to bind it.

6 System Commissioning

6.1 Installing the App

Method 1

Download and install the HYXI App through the following application stores:

- App Store (iOS)
- Google Play

Method 2

Scan the following QR code to download and install the HYXI App according to the prompt information:



NOTICE

- Requires App version 6.0.7 or higher.

6.2 APP Configuration

For specification configuration, please scan the following QR code to check HYXI APP User Manual.

