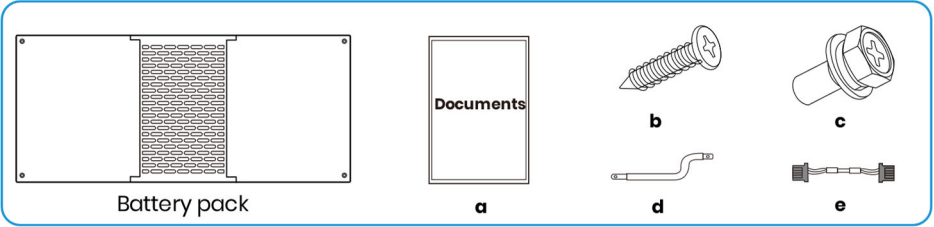
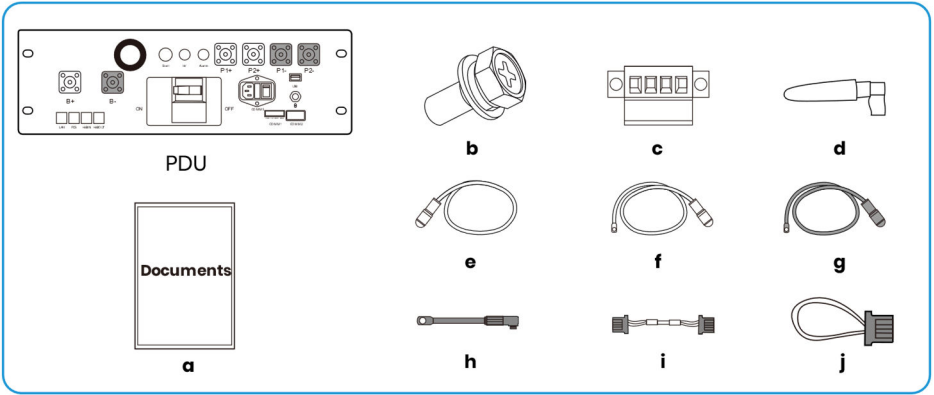




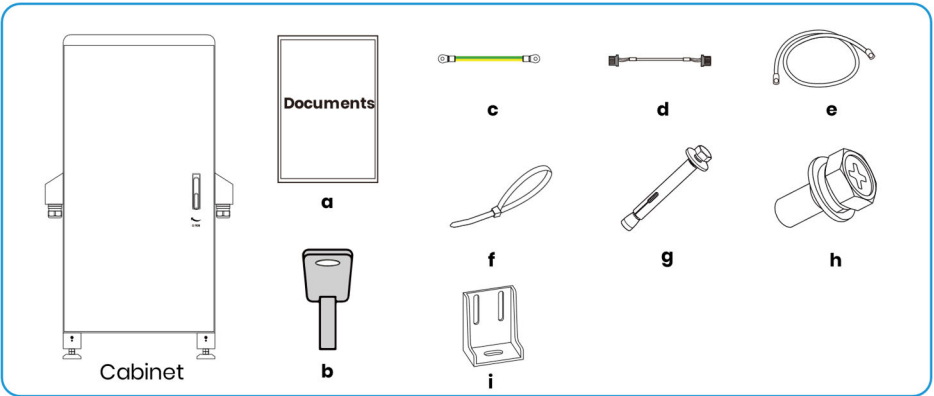
1. Unpacking list



a: Documents
b: Screw (M3*6) *2
c: Bolt (M8*20) *4
d: Copper Bar *1
e: Battery Pack-Battery Pack Communication Cable *1



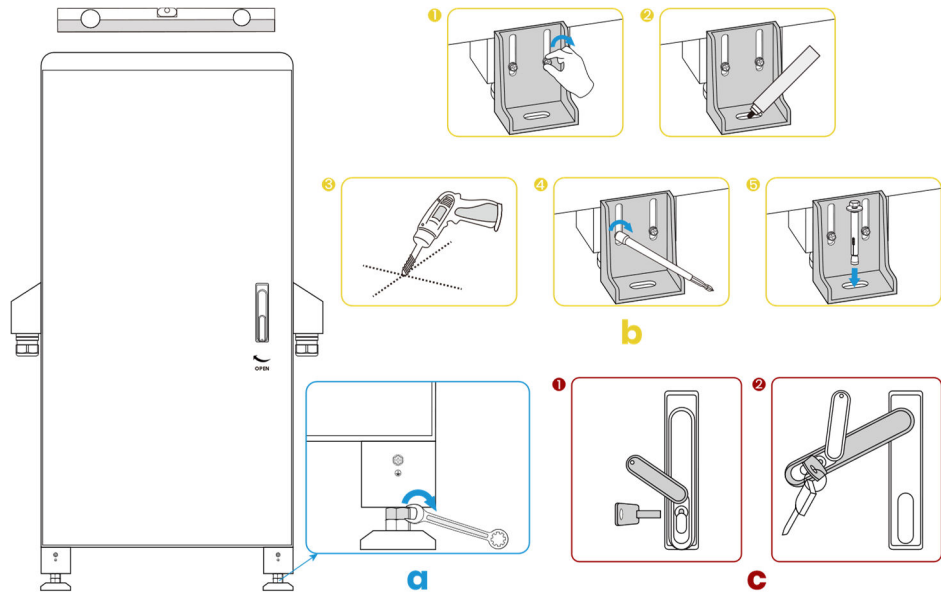
a: Documents
b: Bolt (M8*20) *4
c: Emergency Power-off Interface *1
d: 4G External Antenna *1
e: PDU-Battery Pack (farthest) Positive Power Cable (4000mm) *1
f: PDU-INV Positive Power Cable (1500mm) *2
g: PDU-INV Negative Power Cable (1500mm) *2
h: PDU-Battery Pack (nearest) Negative Power Cable (230mm) *1
i: PDU-Battery Pack (nearest) Communication Cable (200mm) *1
j: Terminal resistor *1



a: Documents
b: Key *2
c: Grounding Wire *1
d: Cabinet-Cabinet Communication Cable (2373mm) *1
e: Cabinet-Cabinet Power Cable (2710mm) *1
f: Cable tie *6
g: Expansion Bolt (M12*80) *4
h: Bolt (M8*20) *8
i: Mounting feet *4

2. Installation Procedure

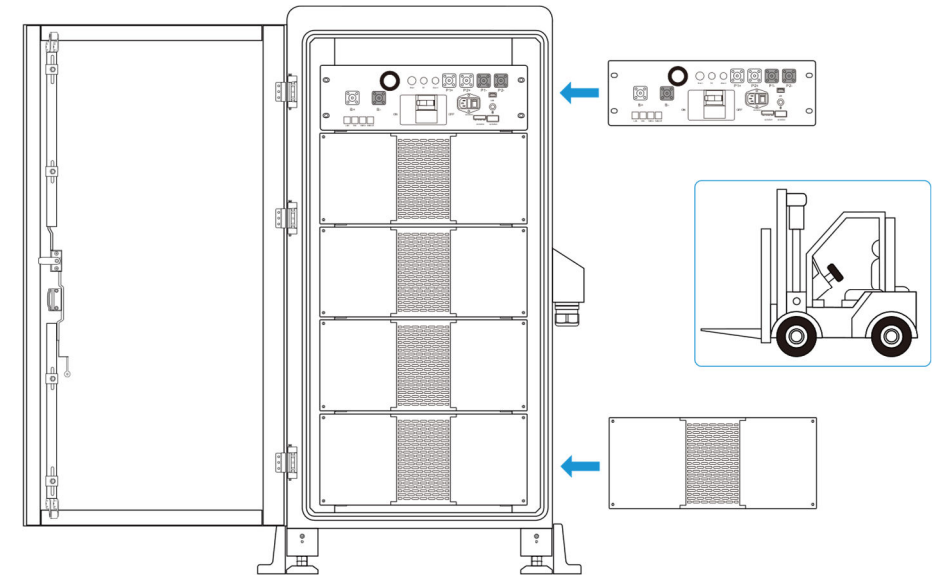
Step 1: preparation



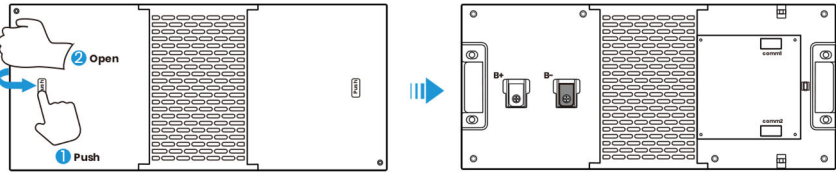
- Place cabinet at target installation position. Check and fine-tune levelness: loosen nuts with spanner to adjust leveling-foot height, retighten nuts afterward.
- Attach mounting feet to cabinet with M8*20 hex bolts (do not tighten), mark ground hole positions, remove the M8*20 hex bolts and mounting feet, then drill holes with a hammer drill; refit and secure mounting feet using M8*20 bolts and M12*80 expansion bolts, with recommended torque of 12.5 N·m for M8 and 42 N·m for M12.
- Slide the protective cover upward to reveal the keyhole, insert the door key and turn clockwise to release the handle, then rotate the handle to unlock and open the door.

Step 2: Secure the Battery Packs and PDU

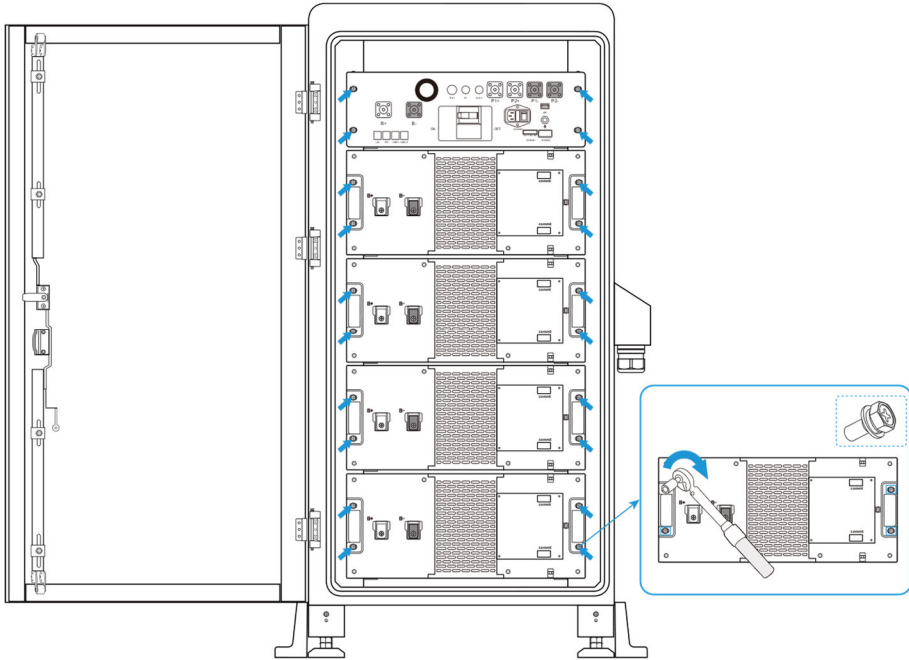
- Install battery packs and PDU into the cabinet. Battery packs are heavy; forklift assistance is recommended. Without a forklift, at least 4 persons are required for installation.



- Apply force to the front panel by pressing the "PUSH" until its edges lift up. Grip the edge of the front panel and pull it open to the desired angle as needed.

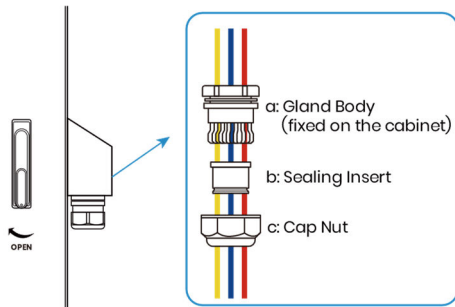


- Secure the battery pack and PDU inside the cabinet with 4 bolts (M8*20). Recommended torque is 12.5 N·m for M8.



Step 3: Internal Wiring

- WARNING:** Power off before working!
- WARNING:** Wear insulating gloves when wiring!
- CAUTION:** Pay attention to the direction of the cables.
- NOTE:** For long cables, secure them inside the cabinet with cable ties to prevent harness loosening and damage by the cabinet door lock.

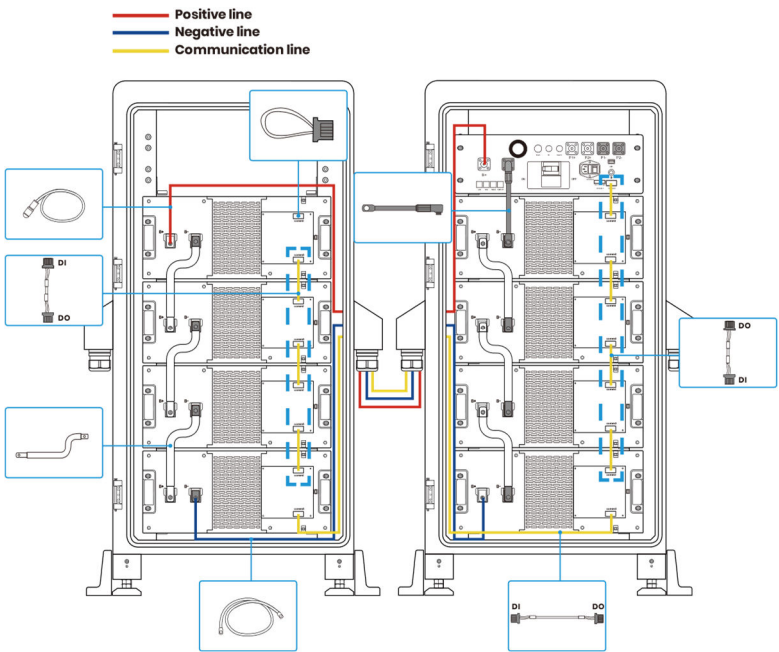


Remove the cap nut from the cabinet. Use a screwdriver or equivalent tool to push the sealing insert out of the cable gland. Pre-route inter-cabinet or cabinet-to-INV cables in one of two orders per site conditions: **cabinet interior → gland body → sealing insert → cap nut**, or **cap nut → sealing insert → gland body → cabinet interior**. After wiring, reinstall the sealing insert into the gland body and tighten the cap nut.

- Perform **communication cable** connection. (Insert Terminal resistor into the comm1 port of the last battery pack.)

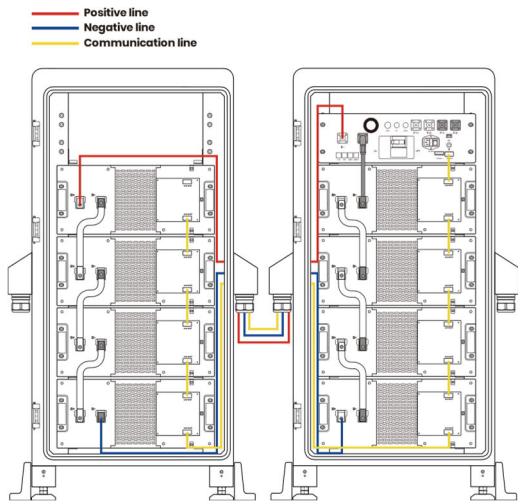


- Perform **power cable** connection and **copper bar** connection

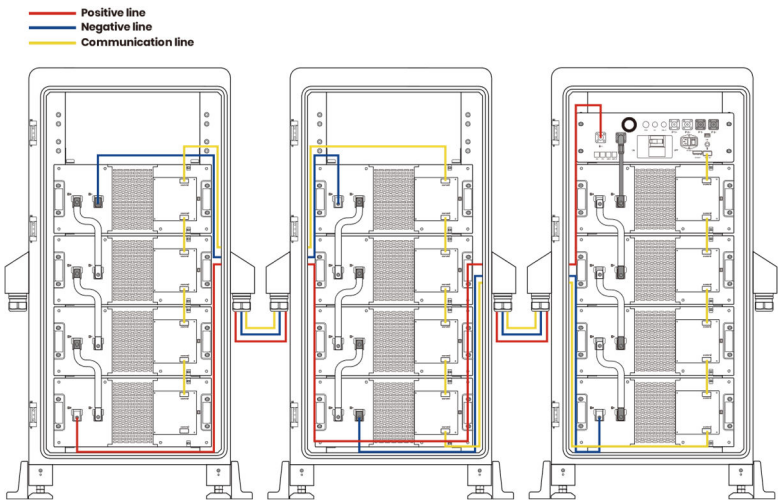


After wiring, the battery system is in the following status. Multiple modes are supported. Consult after-sales for other installation layouts.

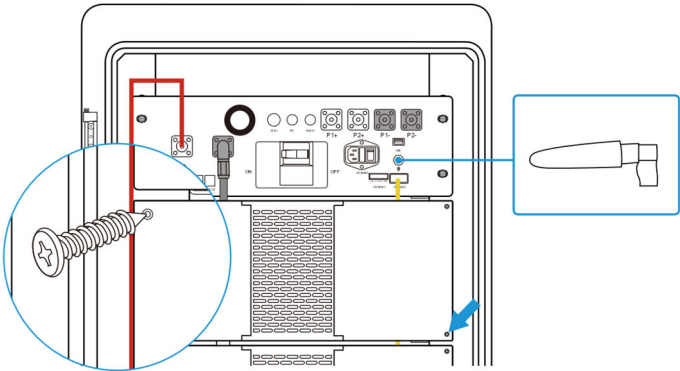
Mode 1:



Mode 2:



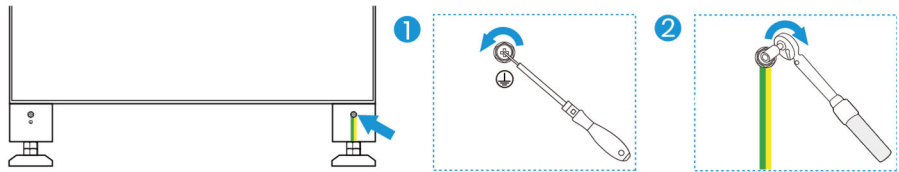
- Secure the front panel of every battery pack using 2 M3*6 Bolts. Recommended torque: 0.63 N·m.
- Screw the 4G External Antenna clockwise into the position shown in the diagram and tighten firmly to ensure it does not come loose.



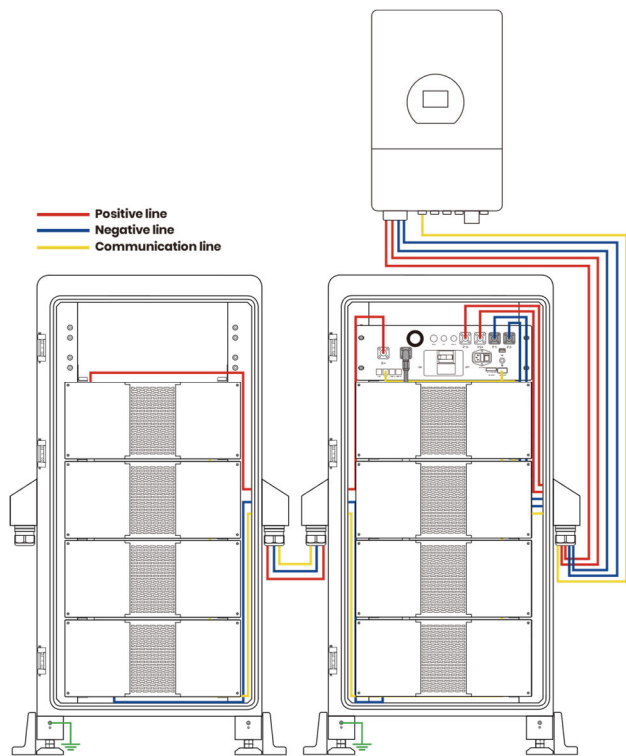
Step 4: External Wiring

- WARNING: POWER OFF BEFORE WORKING!**
- CAUTION: PLEASE REFER TO THE POWER CONVERSION UNIT MANUAL FOR SPECIFIC WIRING STEPS.**

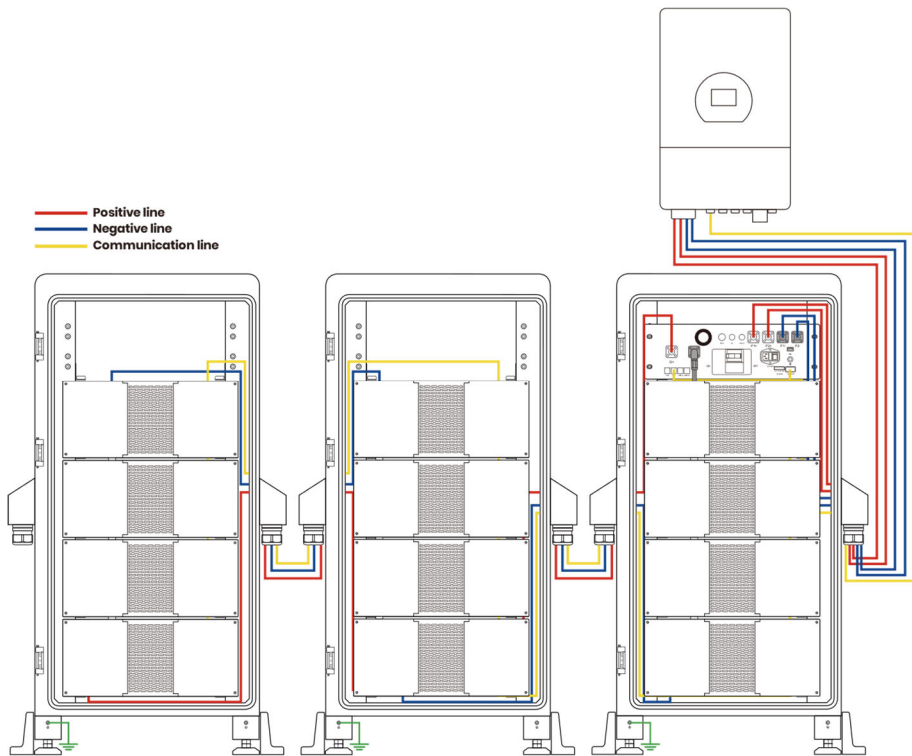
Grounding: Remove the factory-installed earthing screw (M5*12) at the earthing point; After fitting the Ground Wire, re-fasten the earthing screw to the earthing point. Recommended torque: 3.0 N·m.



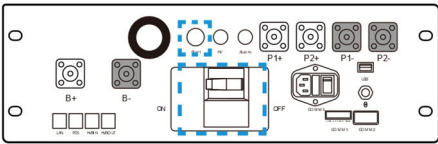
Mode 1:



Mode 2:



3. Operation



- Power On**
 - Turn the circuit breaker handle from "OFF" to "ON" position on the PDU.
 - Press the start button on the PDU.
 - Wait for the system to initialize. The start-up sequence is completed when the yellow HV indicator lights up.
 - Turn on the Power Conversion Unit.

NOTE: PLEASE REFER TO THE INVERTER MANUAL FOR SPECIFIC OPERATION STEPS.
- Power-Off**
 - Turn off the inverter.

NOTE: PLEASE REFER TO THE INVERTER MANUAL FOR SPECIFIC OPERATION STEPS.

 - Press the start button again.
 - Wait for the yellow HV indicator to go off (about 3 seconds), after which you can turn the circuit breaker handle from "ON" to "OFF" position.