



High Voltage Battery

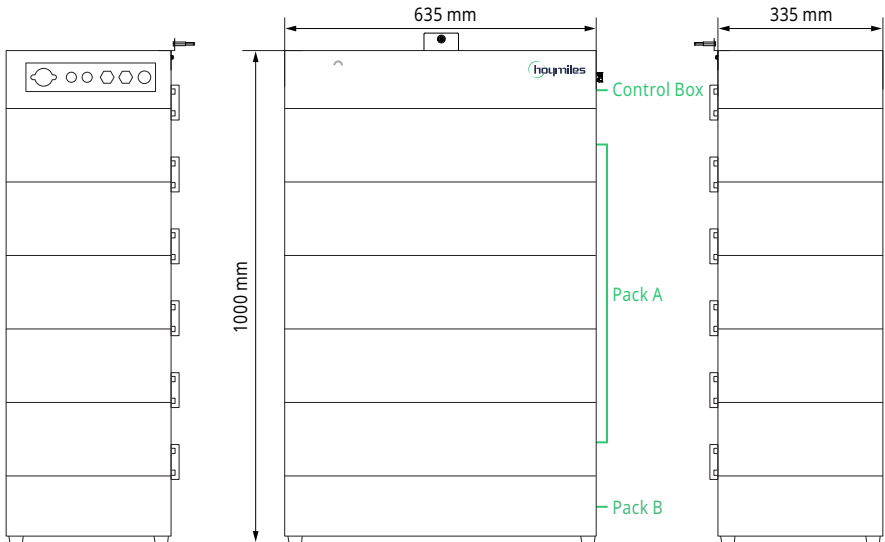
Quick Installation Guide

HB-10S-G2
HB-15S-G2
HB-19S-G2
HB-23S-G2

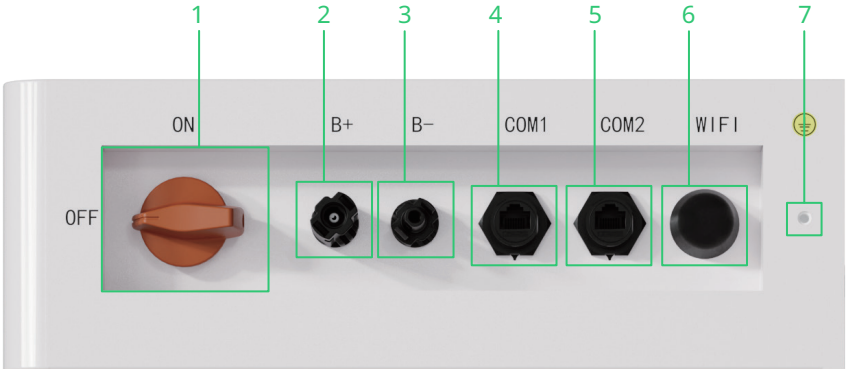
1 General Declaration

- Read this quick installation guide carefully before installation to learn about product features and safety precautions.
- Only qualified personnel are allowed to install, operate, and maintain the equipment.
- Installers should be familiar with local laws and regulations.
- Check the deliverables for correct model, complete contents, and intact appearance. Contact the manufacturer if any damage is found or any component is missing.
- Installers must use insulated tools and wear personal protective equipment.
- As required by local regulations, an overcurrent protection and isolation device should be installed between the inverter and the battery. The cable needs to be prepared by the installer.
- Before installation, ensure that the battery pack is turned off, and any associated circuit breakers and disconnect switches are turned off.
- The information in this quick installation guide is subject to change due to product updates or other reasons.

2 Product Overview



* The quantity of Pack A can be 2, 3, 4, and 5.

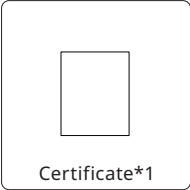
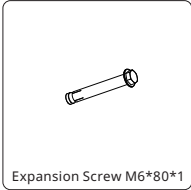
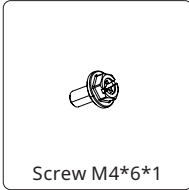
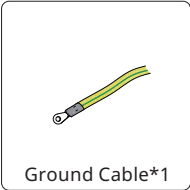
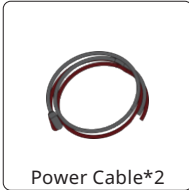
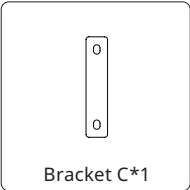
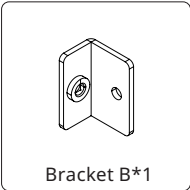
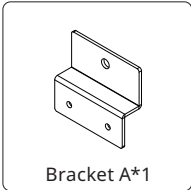
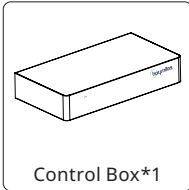


No.	Description
1	DC Switch
2	Positive Terminal
3	Negative Terminal
4	PCS Communication Terminal (RS485/CAN) (COM1)
5	Reserved (COM2)
6	Wi-Fi
7	Ground Terminal

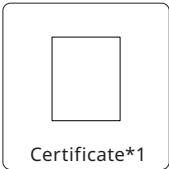
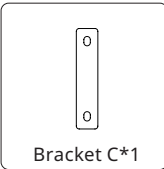
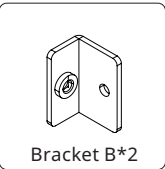
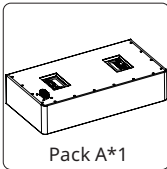
Pin Definition	Terminal	1	2	3	4	5	6	7	8
	COM1	RS485A	RS485B	CAN-3G	CAN-3H	CAN-3L	NC	NC	NC
	COM2	NC	NC	CAN-2G	CAN-2H	CAN-2L	CAN-1G	CAN-1H	CAN-1L

3 Packing List

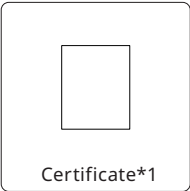
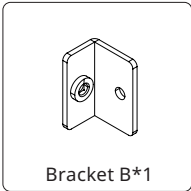
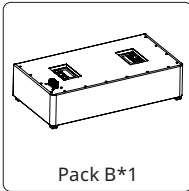
Control Box Packing list



Pack A Packing list



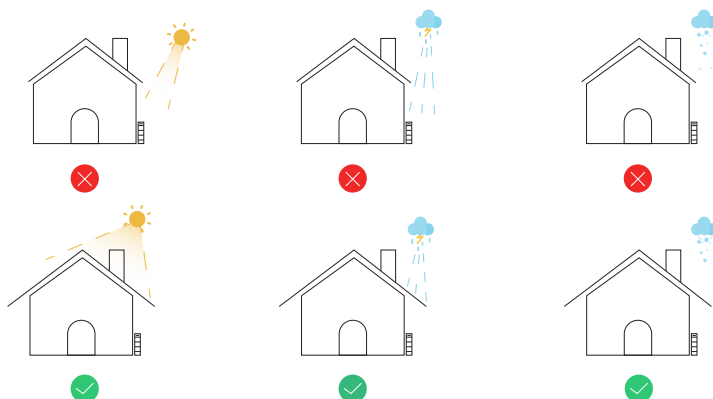
Pack B Packing list



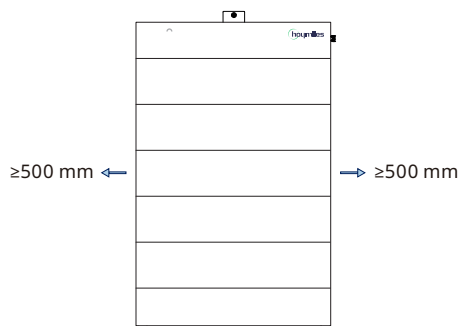
4 Installation Instruction

Environmental Requirements

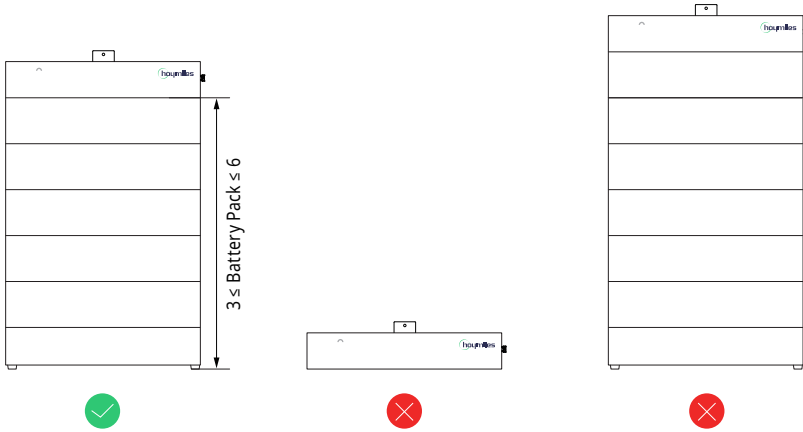
1. The recommended ambient temperature is between 15°C and 35°C.
2. The recommended relative humidity is between 10% and 95%, without condensing.
3. The altitude should be no more than 2000 m.
4. If the product is installed outdoors, it should meet the following requirements, including but not limited to:
 - a) Avoid direct sunlight.
 - b) Avoid rain, snow, and flood.
 - c) Under the shelter if possible.
5. If the product is installed indoors, it should meet the following requirements, including but not limited to:
 - a) Keep distance from doors, windows, driveway, or other batteries.
 - b) Keep away from the heating device.
 - c) Keep away from corrosive chemicals.



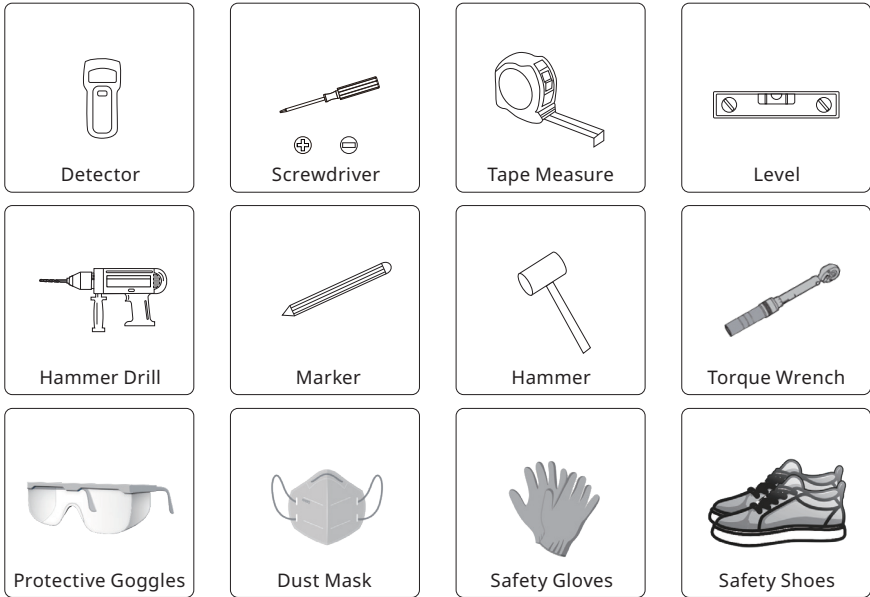
Space Requirements



Stackable Quantity



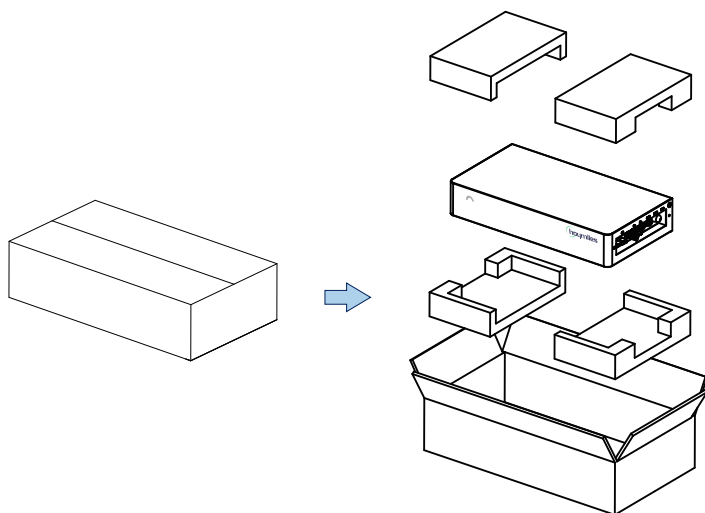
Installation Tools



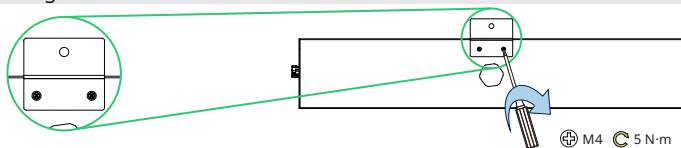
Installation Steps

Step 1 Unpacking

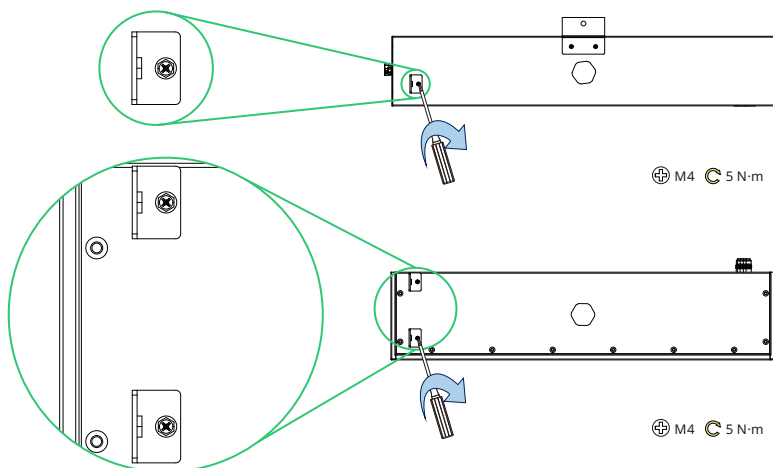
The diagram is an example of unpacking the control box package, and the steps of unpacking Pack A and Pack B are the same.

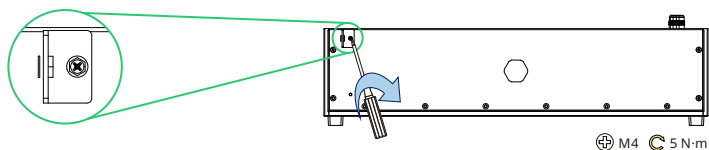


Step 2 Installing Bracket A



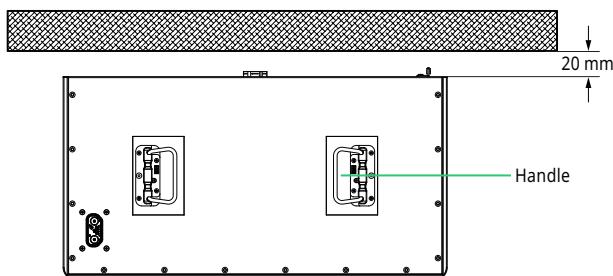
Step 3 Installing Bracket B





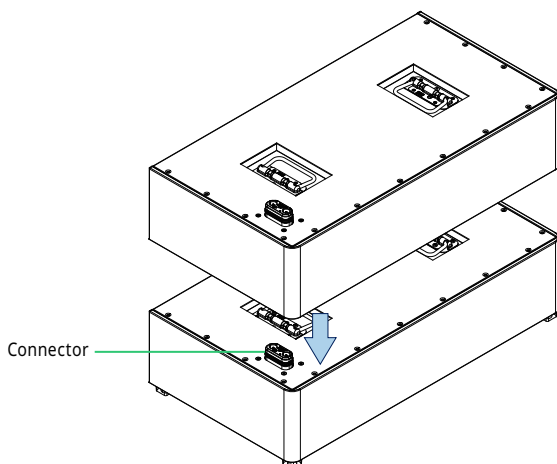
Step 4 Placing Pack B

1. Use a detector to detect whether there are cables or water tubes behind the wall.
2. Place Pack B on a level ground (0° - 3°), parallel to the wall, and keep a distance of at least 20 mm. The handles are used to lift the pack off the ground and move it.



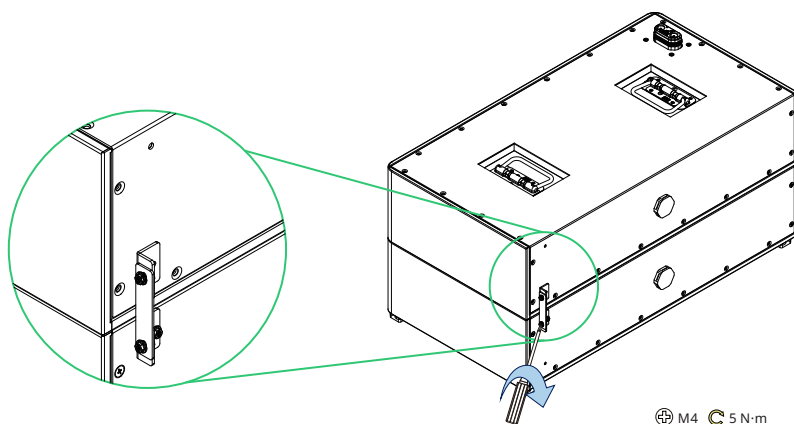
Step 5 Installing Pack A

1. Align the connector first.
2. Slowly put down the connector end of Pack A until the connector ends of the two packs are successfully connected.
3. Finally put down the other end of Pack A.

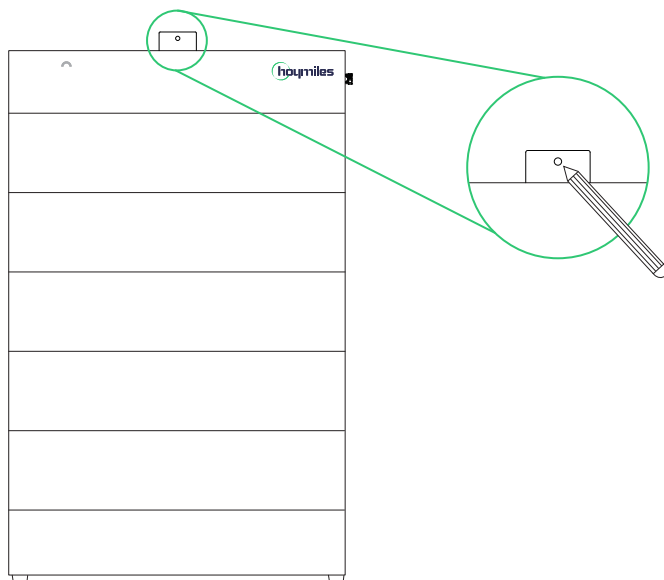


Step 6 Securing the Connection

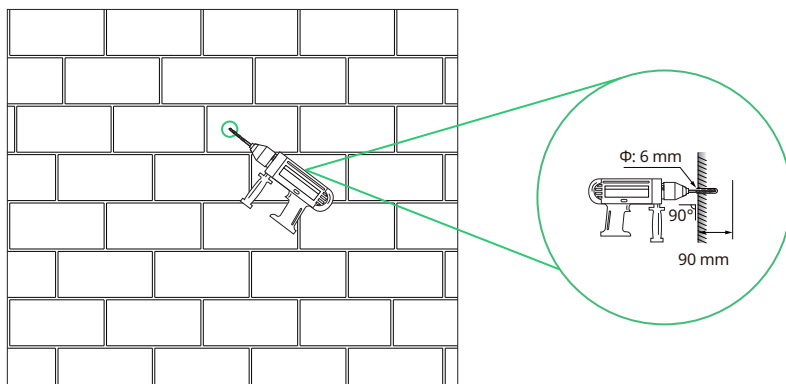
Use bracket C to secure the connection between Pack A and Pack B. The remaining battery packs can be stacked layer by layer as shown in these figures.



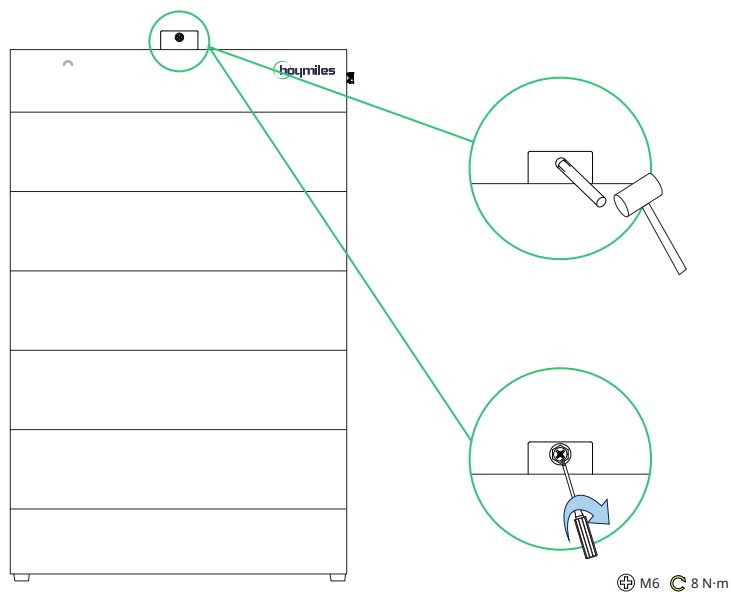
Step 7 Marking the Hole Position



Step 8 Drilling the Hole

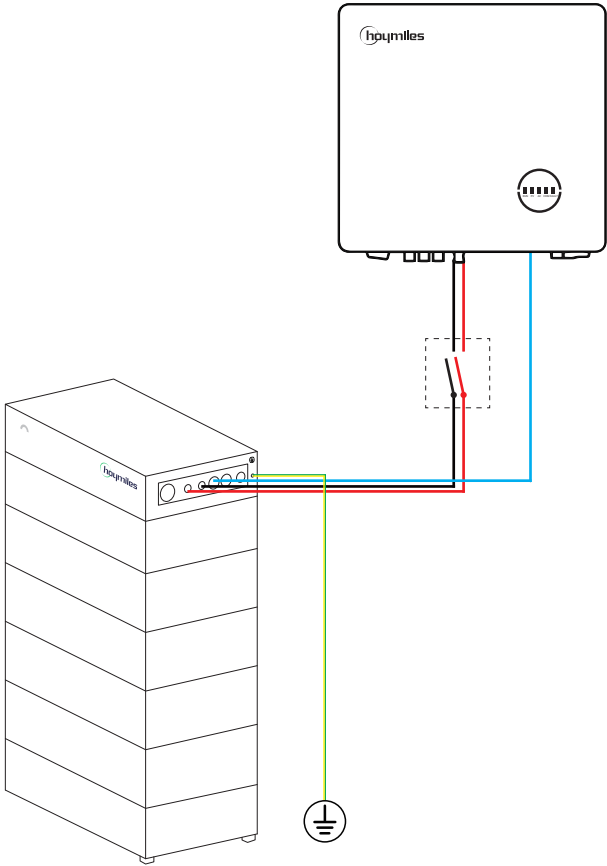


Step 9 Completing the Installation

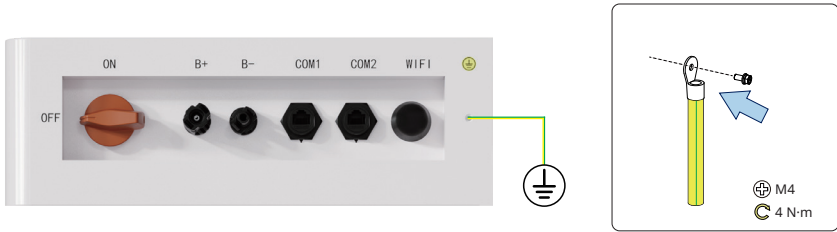


5 Electrical Connection

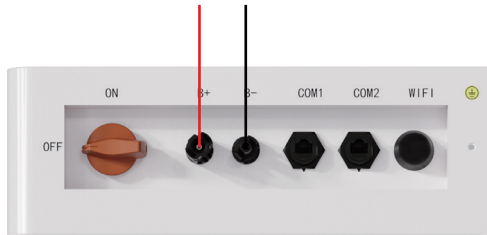
Cable	Specification
Ground Cable	6 mm ² /10 AWG
Positive Cable	6 mm ² /10 AWG
Negative Cable	6 mm ² /10 AWG
Communication Cable	Standard communication cable



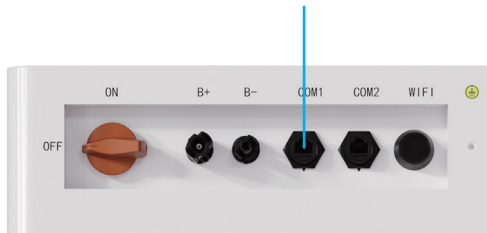
Step 1 Ground Cable Connection



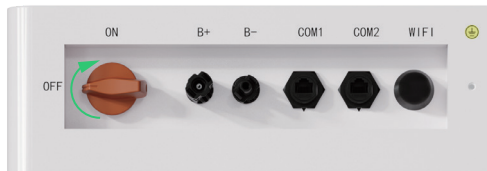
Step 2 Power Cable Connection



Step 3 Communication Cable Connection



Step 4 Power-on



Indicator	Indicator Status	Battery Status
	Flashing green every 1s.	The battery is charging.
	Solid green.	The battery is discharging.
	Solid blue.	The battery is in standby.
	Flashing blue 5s every 6 minutes.	Level one or level two alarm occurs.
	Solid Red.	Level three alarm occurs.



User Manual in the QR code or at
www.hoymiles.com/resources/download/



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