GOODWE



User Manual

Rechargeable Li-ion Battery System

Lynx Home D Series

V1.4-2025-11-21

4 Check and Storage

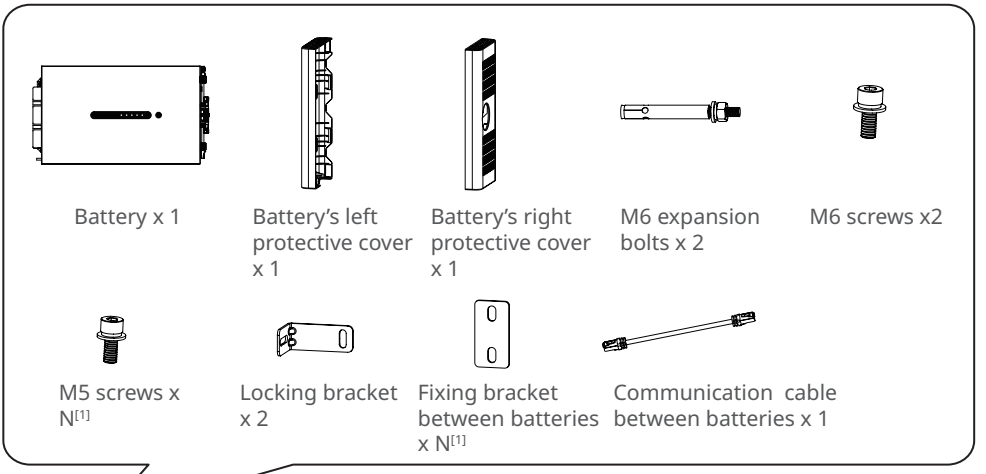
4.1 Check Before Receiving

Check the following items before receiving the product.

1. Check the outer packing box for damage, such as holes, cracks, deformation, and other signs of equipment damage. Do not unpack the contents from the box and contact the supplier as soon as possible if any damage is found.
2. Check the battery model. If the model is not what you requested, do not unpack the product and contact the supplier.
3. Check the deliverables for correct model, complete contents, and intact appearance. Contact the supplier as soon as possible if any damage is found.

4.2 Deliverables

Battery



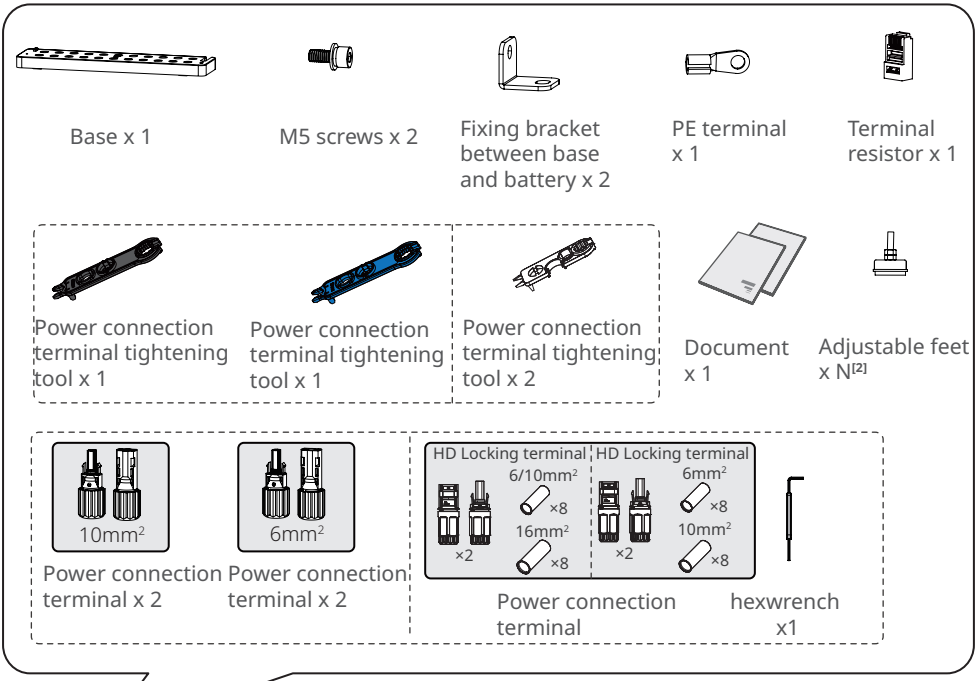
[1]:

• Fixing bracket between batteries delivered as accessories: Fixing bracket between batteries *2; M5 screws *4

• Fixing bracket between batteries installed in the battery: M5 screws *2

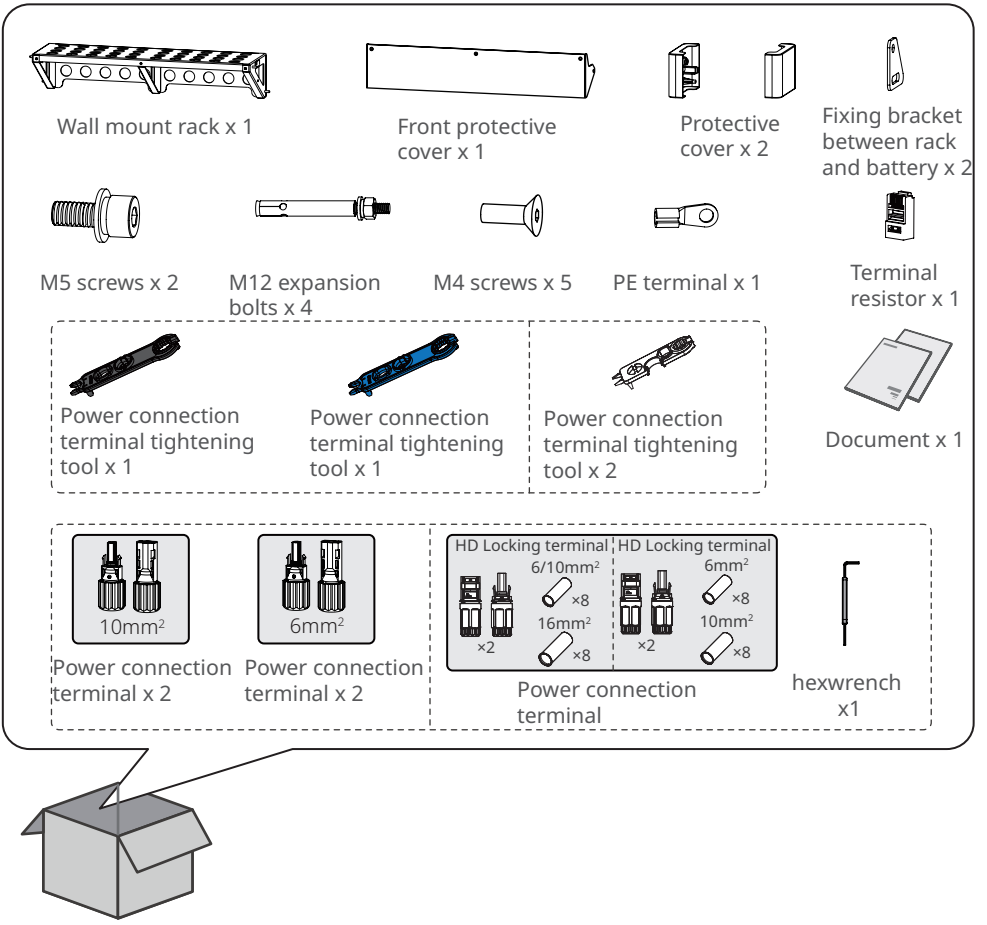
NOTICE
The battery system needs to be mounted on a base or hanger. Please select the base or the hanger according to the installation conditions. The specific delivery content is subject to the actual selection.

(Optional) base



[2]:
The quantity of adjustable feet is subject to actual shipment. If there are no adjustable feet in the actual delivery and you need use them, please contact the dealer or after-sales service to obtain them.

(Optional) wall mount rack



Battery Stacking Method		
Total Quantity of Batteries (blocks)	First stack (block)	second stack (block)
8	4	4
7	4	3
6	3	3
5	3	2
4	2	2
3	3	-
2	2	-
1	1	-

5.3.1 Installing the Wall Mount Rack (Optional)

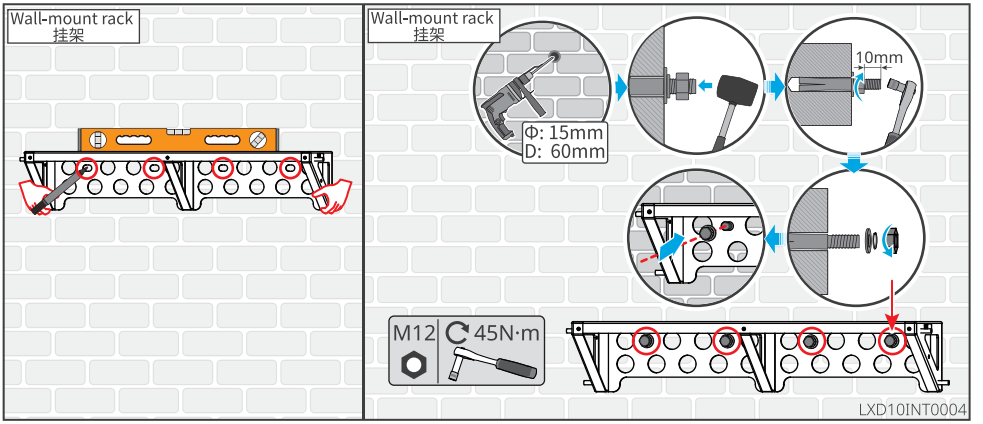
Step 1: Make the wall mount rack tightly adhere to the wall. Ensure that the rack is securely placed and use a level bar to measure if the rack is level.

Step 2: After adjusting the position and levelness of the rack, mark the drilling positions, then remove the rack.

Step 3: Drill holes and install expansion bolt.

1. Step 4: Use an impact drill to drill hole (hole diameter: 15mm, depth: 60mm).
2. Clean the hole.
3. Use a rubber hammer to install the expansion screw into the hole.
4. Use an external hex wrench to tighten the nut clockwise to expand the screw.
5. Rotate the nut counterclockwise to remove it.

Step 4: Use external hex wrench to install the rack on the wall.



5.3.2 Installing the Base (Optional)

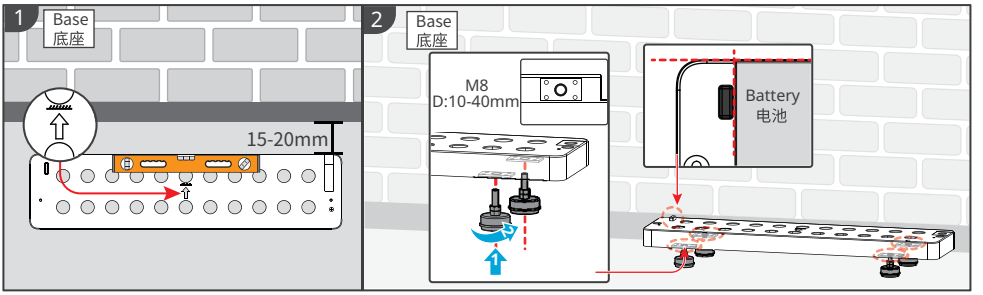
NOTICE

Check whether there are adjustable feet in the package. If not and you need them, please contact the dealer or after-sales service to obtain them.

Install the adjustable feet to the base.

Place the base 15-20mm away from the wall, parallel to the wall, and ensure that the ground is level.

When installing the battery using the base, ensure that the left side of the battery is tightly against the limit block on the base.



5.3.3 Installing the Battery System

NOTICE

- For floor mounting: Two sets of bases and battery fixing brackets are provided with the cabinet. To prevent battery loosening or displacement, install one fixing bracket on one side of the battery positioning block, and keep the other as a spare.
- For wall mounting: To prevent battery loosening or displacement, use the fixing brackets provided with the cabinet to secure the battery to both sides of the wall mount respectively.

Step 1 Preinstall the locking bracket to PCU.

S**tep 2** Place the battery on the installed rack or base. Place the locking bracket tightly against the wall and mark the drilling position, or use a level bar to mark the drilling position.

Step 3 Install the expansion bolts and secure the battery.

1. Use an impact drill to drill holes.

2. Clean the holes.

3. Use a rubber hammer to install the expansion screw into the holes.

4. Use an external hex wrench to tighten the nut clockwise to expand the expansion screw.

5. Rotate the nut counterclockwise to remove it.

6. Install the battery onto the base or rack again, and make the battery 15-20mm away from the wall.

7. Use an external hex wrench to secure the battery to the wall, and use a torque screwdriver to

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Lynx D Series

5.0kWh I High Voltage Battery

GoodWe's Lynx D Series is a high-voltage lithium battery specially designed for residential applications with superior performance. Compatible with GoodWe residential energy storage inverters, Lynx D Series comes with one-stop-shop solutions saving you considerable time and effort. Each battery pack is designed as a standalone unit, incorporating a dedicated Battery Management System (BMS). This versatile system serves effectively in scenarios focused on self-consumption and backup power needs. With its sleek and modern design, it seamlessly blends into residential settings. The installation and commissioning have been made quicker and easier than ever with a user-friendly plug and play wiring system. Moreover, Lynx D batteries are engineered to support a mix of old and new battery packs, ensuring adaptable expansion and hassle-free replacement options.



Smart Control

· Remote diagnosis and update via inverter
· Auto reboot after undervoltage

Friendly & Thoughtful Design

· Sleek and modern design
· Plug and play wiring

Superb Safety & Reliability

· Reliable LFP technology with high cycle stability
· IP66 protection for outdoor installation safety

Flexible & Adaptable Applications

· Modular design for parallel connection
· Supports mixing new and old battery packs for flexible expansion

Lynx Home D Series

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Technical Data		LX D5.0-10
Usable Energy (kWh)*1		5
Cell Type		LFP ($LiFePO_4$)
Nominal Voltage (V)		Charge: 435; Discharge: 380
Output Voltage (V)		320 ~ 480
Nominal Power (kW)*2		3
Peak Power*2		5kW, 10s
Operating Temperature Range (°C)		Charge: 0 ~ +53; Discharge: -20 ~ +53
Relative Humidity		0 - 95%
Max. Operating Altitude (m)		4000
Communication		CAN
Weight (kg)		52
Dimensions (W × H × D mm)		700 × 380 × 170
Ingress Protection Rating		IP66
Mounting Method		Floor stacked / Wall-mounted
Standard and Certification	Safety	IEC62619, IEC60730, VDE2510-50, CE, CEC
	EMC	CE, RCM
	Transportation	UN38.3

*1: Test conditions,100% DOD,0.2C charge & discharge at +25 ±3°C for battery system at beginning life. System Usable Energy may vary with different Inverter.
*2: Power derating will occur related to Temperature and SOC.
*: Please visit GoodWe website for the latest certificates.
*: All pictures shown are for reference only. Actual appearance may vary.

GoodWe-Single page-20250401-EN-V2.1. Information may be subject to change without notice during product improving.