STELTEC

Quick Installation Guide

Model: Focus-H2

Note: User Manual Download
For access to the latest user manual
please scan the QR code.

Tools Requirements

Level	Measuring tape	Socket wrench (10/16mm)	Rubber mallet	Cross Screwdricer
Hammer Drill (10mm)	ESD gloves	Safety goggles	Anti-dust respirator	Safety Shoes

Packing List (A in control box packaging, B in battery packaging)

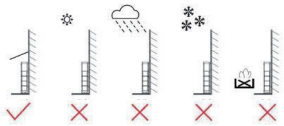
High Voltage Control Box A *1	Fixing Bracket A *2	Base A *1	Flat Locating Pin A B *4	M8*80mm expansion bolts A *6
M6*15mm screws A *2	M5*10mm screws A *4	Power Cable A	Communication Cable A	Grounding Cable A
Nylon Tube Terminal A	Desiccant A B	Outgoing Inspection Report Battery Networking Guide Quick Installation Guide	Battery Box B	

Battery System Technical Specifications

		Nominal Energy	Nominal Voltage	Nominal Capacity	Max Charge/ Discharge Current
☐ STE-BCO-100	3S	15.36kWh	153.6Vdc	100Ah	100A
☐ STE-BCO-100	4S	20.48kWh	204.8Vdc	100Ah	100A
☐ STE-BCO-100	5S	25.60kWh	256.0Vdc	100Ah	100A
☐ STE-BCO-100	6S	30.72kWh	307.2Vdc	100Ah	100A
☐ STE-BCO-100	7S	35.84kWh	358.4Vdc	100Ah	100A
☐ STE-BCO-100	8S	40.96kWh	409.6Vdc	100Ah	100A
☐ STE-BCO-100	9S	46.08kWh	460.8Vdc	100Ah	100A
☐ STE-BCO-100	10S	51.20kWh	512.0Vdc	100Ah	100A
☐ STE-BCO-100	11S	56.32kWh	563.2Vdc	100Ah	100A
☐ STE-BCO-100	12S	61.44kWh	614.4Vdc	100Ah	100A

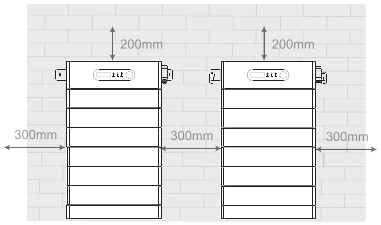
Installation Environment Requirements

Charging temperature range: -20°C - +55°C(Products with heating function)
Charging temperature range: 0°C - +55°C(Products without heating function)
Discharging temperature range: -20°C - +55°C
Relative humidity: 5%-85%RH
Elevation: no more than 2500m



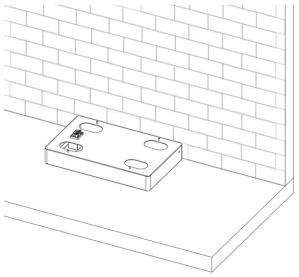
Lithium battery may be installed indoors or outdoors.
But please avoid direct sunlight, rain exposure or snow cover.
Place battery under a roof or cover.
Place battery in secure location away from children and animals.
The ground for product arrangement shall be flat and level.
Do not place battery near open flame or flammable material.
Do not place battery near heat sources or fire sources.
Keep away from dust and messy zones.
The floor and walls are completely waterproof.
Battery is quite heavy, make sure the wall/ ground can meet the load bearing requirements.

Minimum clearance is required.



STEP 1

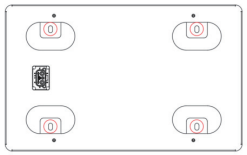
Place the base tightly against the wall, mark the drilling locations through the holes in the base.



STEP 2

Drill holes at the marked locations and install expansion bolts.
Position the base over the bolts and tighten securely.

Note: Use the level meter during the installation, make sure the levelness is less than 2mm.

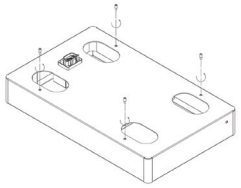


levelness<2mm

STEP 3

Secure the locating pins to the base and put the battery module onto the base.

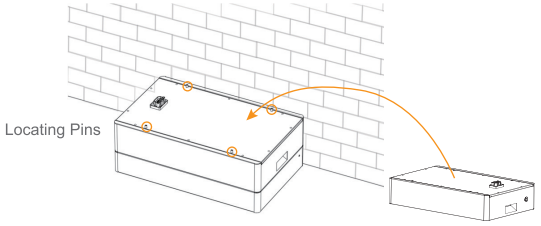
Note: Make sure that all the locating pins on each layer are tightened.



STEP 4

Secure the locating pins to the battery pack and
place the next battery module onto the lower battery module.

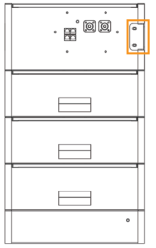
Repeat until all battery modules are installed.

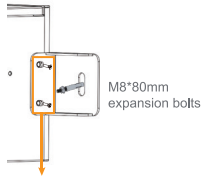


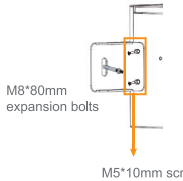
STEP 5

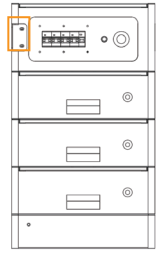
Place the high-voltage box onto the top battery module.
Secure the mounting bracket on the high-voltage box and mark the drilling locations based on the bracket's holes.

Drill holes at the marked locations. Install expansion bolts and M5*10mm screws on both sides to secure the box and the wall.



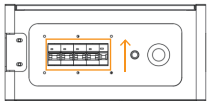




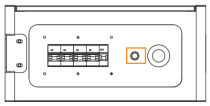


STEP 6

Battery System Self-test:
1. Turn on the DC breaker on the high-voltage box.



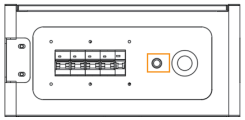
2. Press and hold the power button for approax 5 seconds until the light of the power button remains on.
Wait for the SOC light to turn on and the RUN light to flash. The battery is now active.



Press and hold for 5 seconds

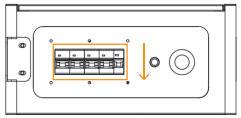
3. Measure the system output voltage.
• Use a multimeter to measure the output voltage between the positive and negative terminals of the high-voltage box.
• The output voltage should conform to the voltage range in table "Battery System Technical Specifications".

4. Press and hold the Reset button for approax 5 seconds. The breaker will automatically disconnect and the battery will shut down.



Press and hold for 5 seconds

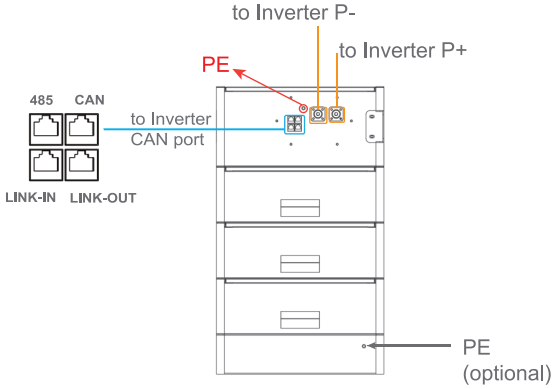
5. Turn off the DC breaker on the high-voltage box.



STEP 7

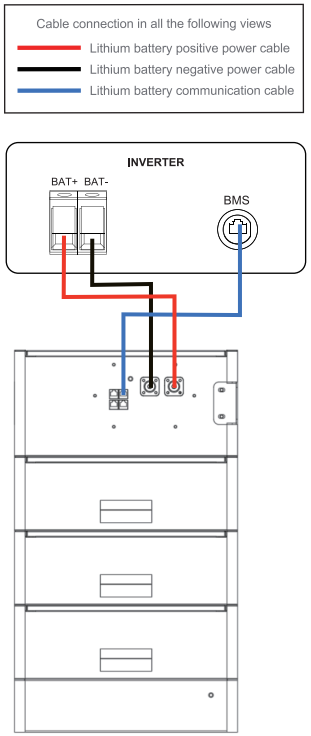
Connect the power cable and the ground cord.

Connect the High-voltage box CAN port to the BMS port of the inverter for communication.



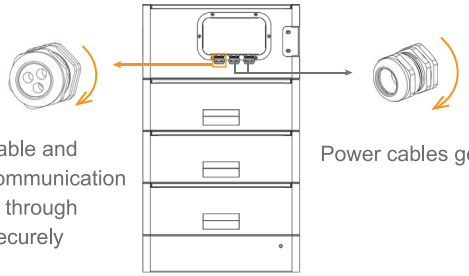
STEP 8

1. At least 3 units must operate in one cluster.
2. The maximum number of units that can operate in cluster is 12.



STEP 9

Route cables as follows:
1. Power cables go through the side cable glands.
2. Ground and communication cables go through the middle glands.
3. Tighten all glands after routing.
Note: Unused wiring holes need to be blocked.

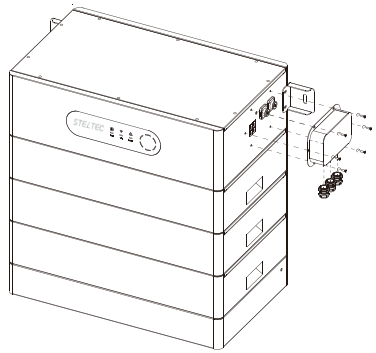


Ground cable and parallel communication cables go through
Tighten securely

Power cables go through

STEP 10

Install the waterproof covers and fully tighten all srews on both sides.



Installation Diagram