

Quick Installation Guide

Residential Lithium Battery(BHF-S series)

I

Preparation Tools



Drill (Bit φ 10)



Screw Driver



Tap measure



Marker



Hexagon keys



Multi-meter



Utility knife

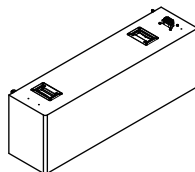


Safety Goggle

II

Packing List

Battery Subassembly



Battery *1



Wall-Mounting Bracket A *2



Locating Pin *3

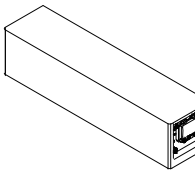


Bolts for Bracket *4

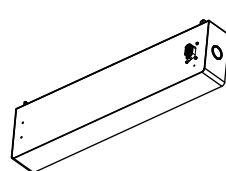


Certificate *1

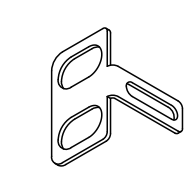
Control Box & Mounting Base Subassembly



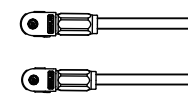
Control Box *1



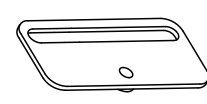
Mounting Base *1



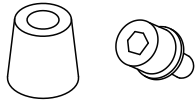
Wall-Mounting Bracket C *4



Pari of Power cable *1



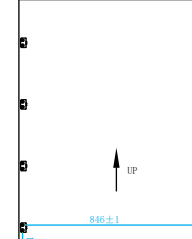
Wall-Mounting Bracket B *4



Locating Pin *3



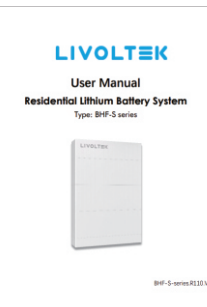
Bolts for Bracket *12



Perforating paper *1

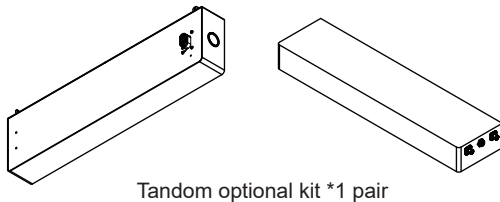


Safety Data Sheet *1



User Manual*1

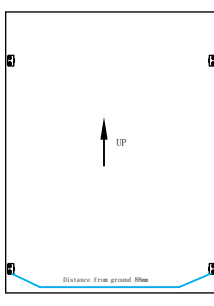
Subassembly of Tandem Optional Kit



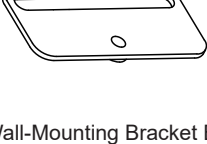
Tandem optional kit *1 pair



Wall-Mounting Bracket C *4



Perforating paper *1



Wall-Mounting Bracket B *4

System Composition Lists

Model	Battery subassembly	Control box & Mounting Base subassembly	Subassembly of Tandem optional kit
BHF-S10	2	1	0
BHF-S15	3	1	0
BHF-S20	4	1	0
BHF-S25	5	1	1
BHF-S30	6	1	1

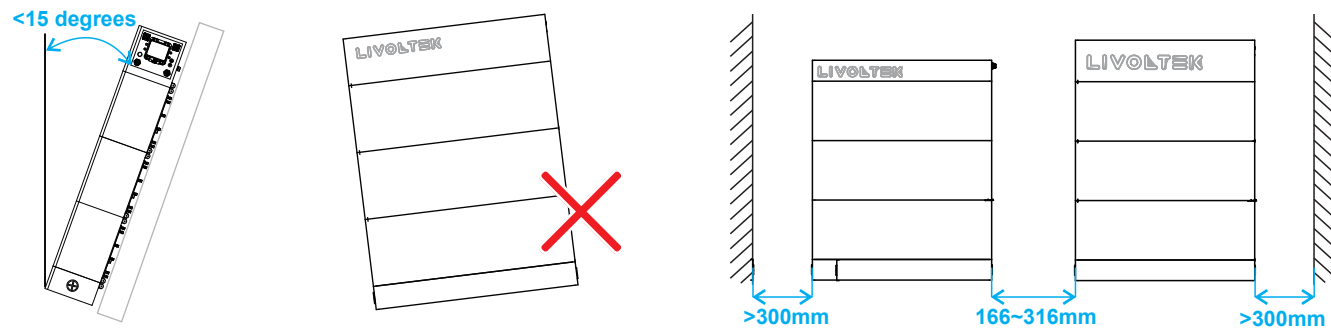
⚠ Notice:

- Please select the compound mode of accessory packages depending on the installation mode.
- After receiving the battery, please check to make sure the packing and all components are not missing or damaged.

III

Installation instructions

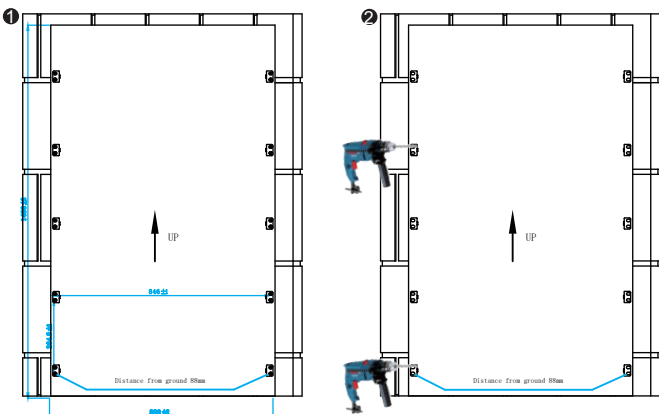
A Installation Requirements



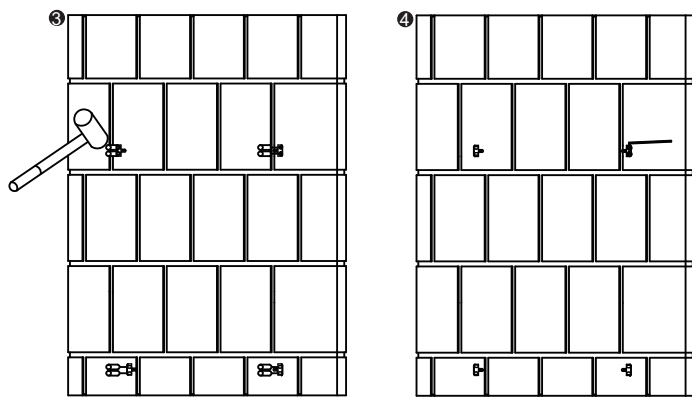
B Mounting

(Example of installing 3 battery packs)

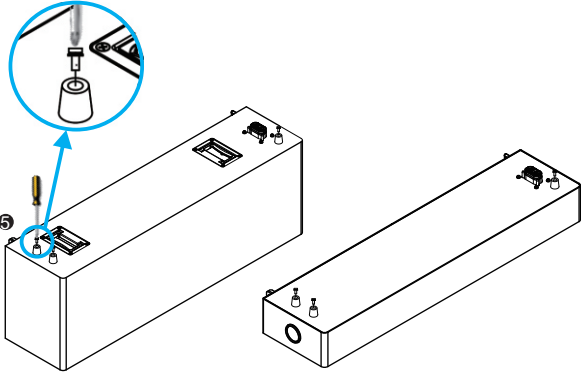
- Step1: Tape the perforating paper parallel to the wall
- Step2: Drill holes and then take perforating paper down.



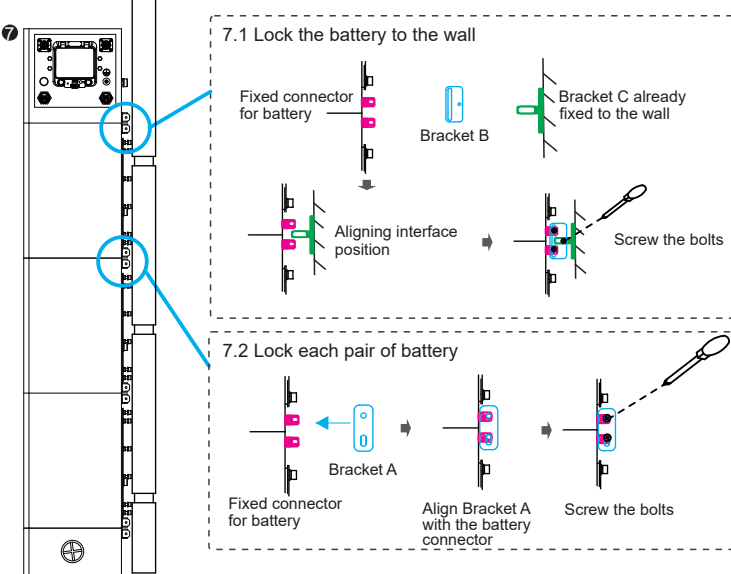
- Step3: Align the Wall-Mounting Bracket C to the hole first, then hammer the expansion anchor bolts into the holes.
- Step4: Screw the expansion bolts



- Step5: Screw the Locating Pin to the Battery and Mounting Base.

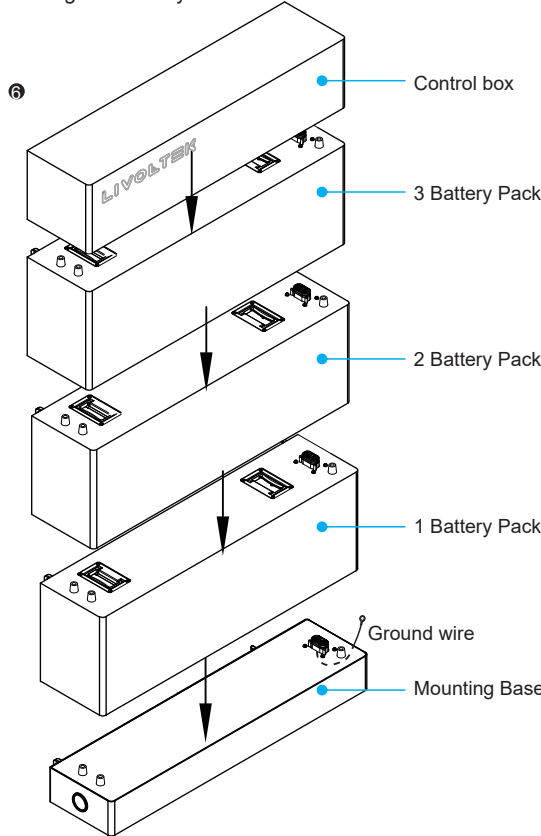


- Step7: Lock the bolts between bracket A, B, C and battery

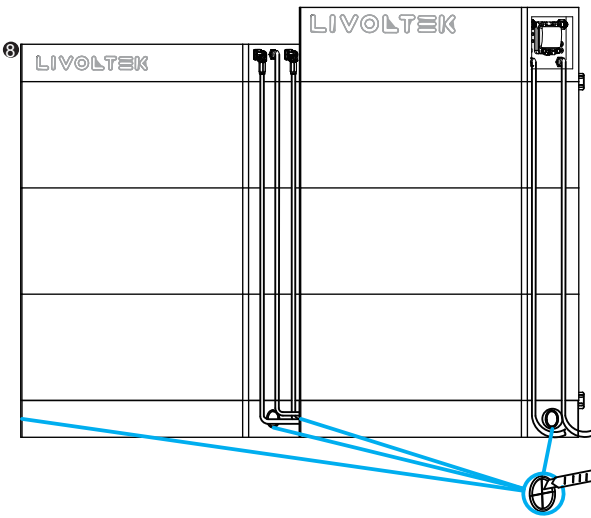


- Step6: Stack the Mounting base, Battery pack and Control box in turn

⚠ Notice: Connect Ground wire to the Mounting base and ground firstly.



- Step8 (optional): If more than 4 battery packs need to be installed, divide them into two columns.

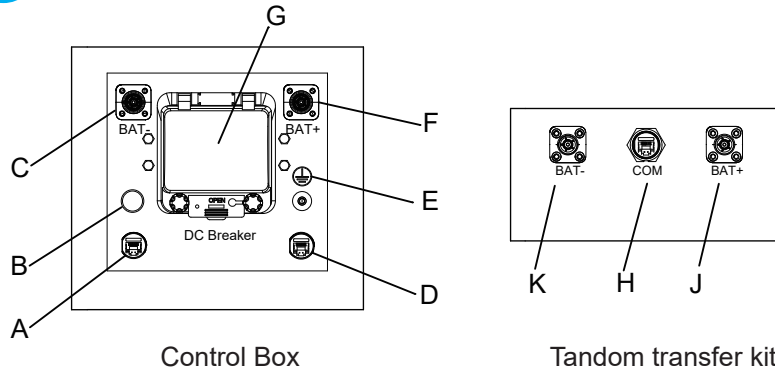


Make the holes in the bottom, then connect power and communication cable correctly.

IV

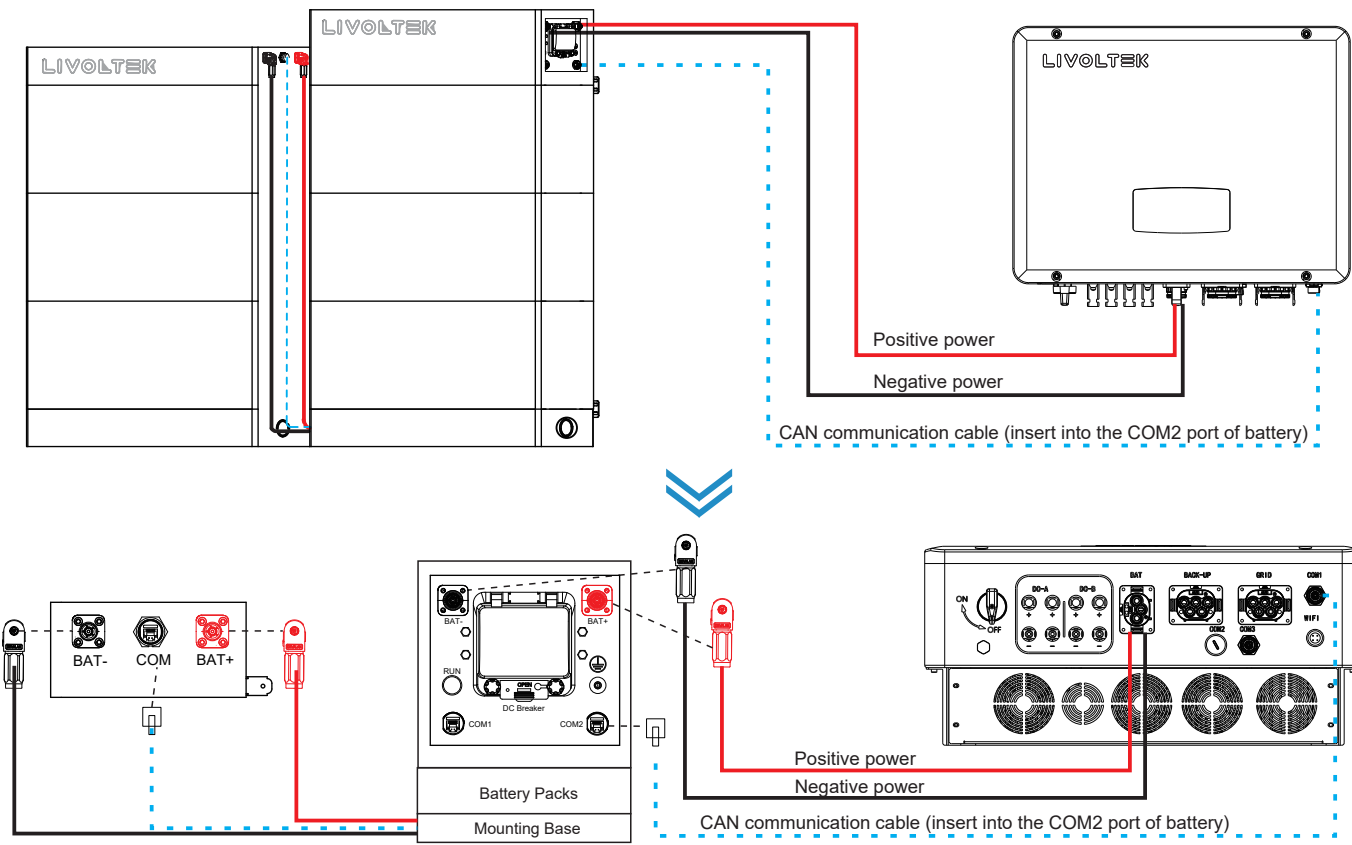
Connection and Operation

A Overview of the Connection Area



Position	Definition	Position	Definition
A	BMS COM 1	F	Battery +
B	LED indicator	G	DC Breaker
C	Battery -	H	COM
D	BMS COM 2	K	Battery-
E	Grounding port	J	Battery+

B Battery Connection



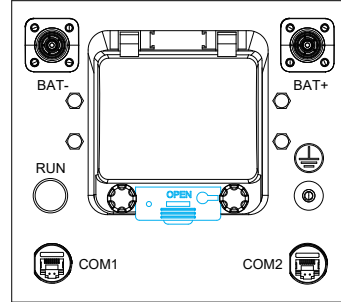
BMS Connector Pin Definition:

1	Orange/white	BMS_CAN_H
2	Orange	BMS_CAN_L
3	/	Reserved
4	/	Reserved
5	/	Reserved
6	/	Reserved
7	/	Reserved
8	/	Reserved

⚠ Notice:

- Before connecting the power cables, make sure the DC breaker of the battery is disconnected.
- Cable colors are for differentiation only. Detailed information is subject to the actual product received by the user.

B Turn On/Off the Battery



- To turn on the battery, turn on the DC Breaker firstly, then switch on the battery;
- To turn off the battery, switch off the battery firstly, then disconnect the DC Breaker.



Check the following items before starting the battery:

- Check the battery system has been installed completely.
- Check the appearance of the battery system is intact.
- Check the battery system output wiring harness is correctly connected to the positive and negative terminals of the battery and inverter to avoid misconnection and reverse connection.