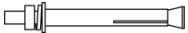




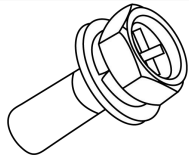
Accessory Kit:



Quick Installation Guide*1



Expansion Bolt*6(M12*80)



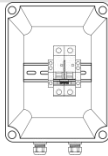
Mounting Bolt*44(M6*16)



Adapter Cable*1



Fire-resistant Mud*1(1kg)

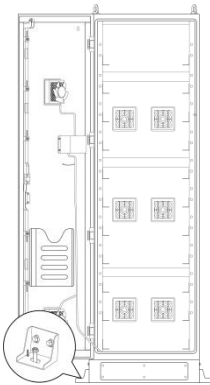


Circuit Breaker (optional)

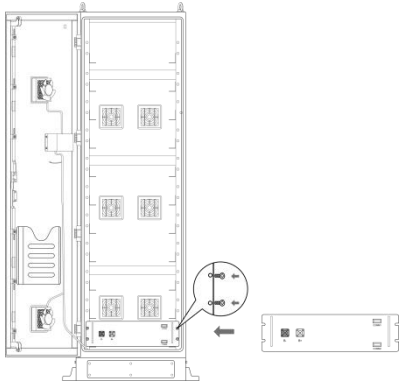
1. Cabinet Fixing

Three mounting feet are provided on each of the left and right sides of the cabinet, six in total. On site, only fix the expansion bolts(M12*80) of each foot in place and check for any loosening of the foot fixing bolts (M8*20).

Recommended torque for M12*80 bolt: 44~65 N·m;
recommended torque for M8*20 bolt: 12-19 N·m.



2. Battery Pack Installation



Place the battery packs into the cabinet and secure it with four M6*16 mounting bolts.

Recommended torque for M6*16 bolt: 5.3-7.4 N·m.



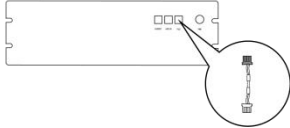
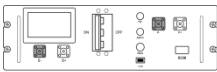
Warning:

Prior to any wiring operation, ensure that the PDU, all battery packs and the inverter are completely powered off.

Take adequate electric shock protection measures to avoid potential safety hazards.

3. PDU Installation & Communication Cable Wiring

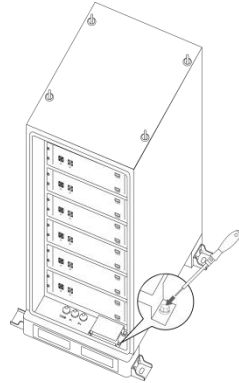
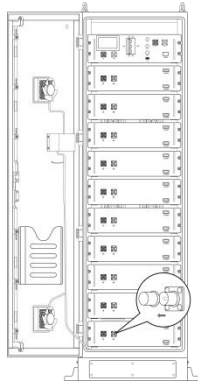
First connect the communication cable between the PDU and the inverter (the interface is on the back of the PDU, marked "PCS" below the interface), then push the PDU into the cabinet and fasten it with four M6*16 mounting bolts. Recommended torque for M6*16 bolt: 5.3-7.4 N·m.



4. Internal Wiring

4-1 Preparation

Remove the dust covers of all wiring ports and the protective PC cover of the wiring terminal at the bottom of the cabinet. The removed protective PC cover and M5 nuts shall be properly preserved.



4-2 Wiring

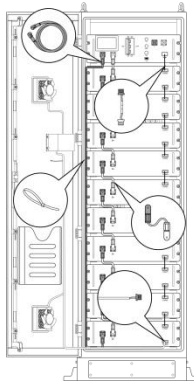
① First, connect the BCOM port of the PDU to the COMM1 port of the topmost battery pack, ensuring the connectors are fully mated.

② Connect the COM ports of two vertically adjacent battery packs with a communication cable, and complete the communication connections between all battery packs in sequence.

③ Precisely insert the pre-installed fan harness plug in the cabinet into the COMM2 port of the bottommost battery pack (Note: if the matched device model is BOS-G, use the adapter cable in the accessory kit for connection).

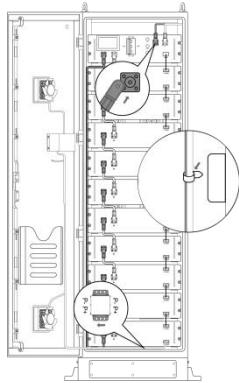
④ Connect the B- terminal of the bottommost battery pack to the B- terminal of the PDU with a power cable. After wiring, fasten the cables to the left side of the cabinet with cable ties to prevent loosening caused by cable swaying.

⑤ Connect the B+ terminal of the PDU to the B+ terminal of the topmost battery pack, then connect the B- terminal of the topmost battery pack to the B+ terminal of the next battery pack. Complete the power cable wiring for all battery packs in this sequence and ensure correct positive and negative polarity matching.



⑥ Connect the P+ and P- terminals of the PDU to the P+ and P- terminals of the bottom wiring terminal of the

cabinet with power cables. The specification of bolts in the wiring terminal is M6, and the recommended torque for M6 bolt is 6-7 N·m.



⑦ Connect the other end of the wiring terminal with correct matching of P+ and P- polarities, then thread the cables into the cable outlet at the bottom of the cabinet. This step is to prepare for connecting the cabinet to the inverter.

Refit the protective PC cover onto the wiring terminal at the bottom and fasten it with the M5 nuts. Recommended torque for M5 nut: 2 N·m.

Schematic diagram of the completed wiring is shown in the figure:



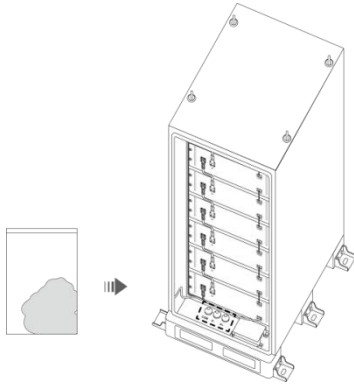
Important Note:

A circuit breaker (optional accessory) should be connected between the cabinet and the inverter to ensure safe and controllable circuit operation and facilitate subsequent maintenance and fault troubleshooting.

5. External Wiring

Lead out the P+ and P- cables, as well as the communication cable between the PDU and the inverter, from the bottom cable outlet in accordance with the markings. The cables are connected to the inverter's battery input connectors.

After completing the wiring between the cabinet and the inverter, seal the bottom cable outlet with Fire-resistant mud.



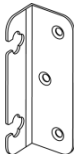
Accessory Kit:



Quick Installation Guide*1



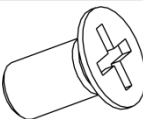
Fire-resistant Mud*1(1kg)



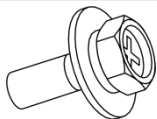
Hanging Lug*20



Expansion Bolt*6(M12*80)



Bolt*60(M4*8)



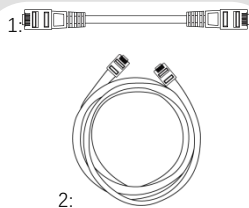
Bolt*40(M6*14)



Negative Cable(1: 150mm;
2: 190mm; 3:1085mm)



Positive Cable(1: 150mm;
2: 215mm; 3: 1160mm)

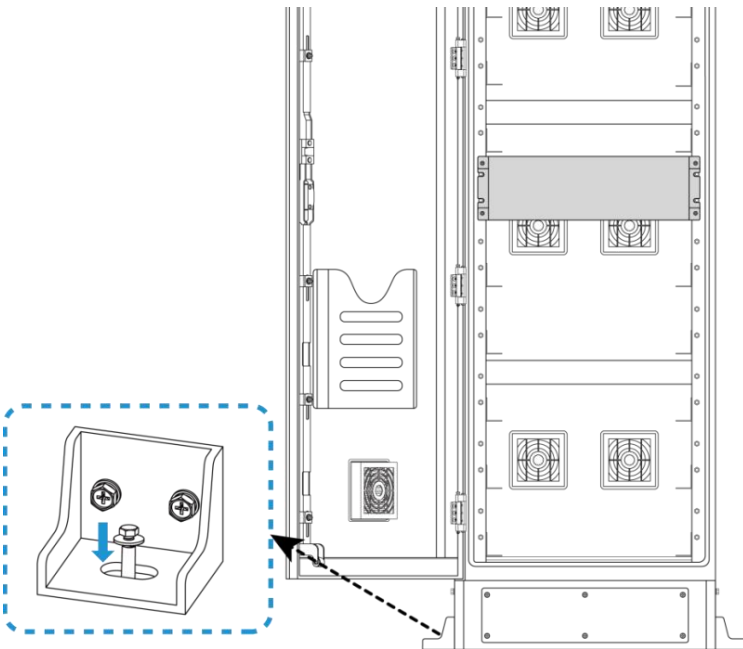


Communication Cable
(1: 300mm ;2: 1500mm)

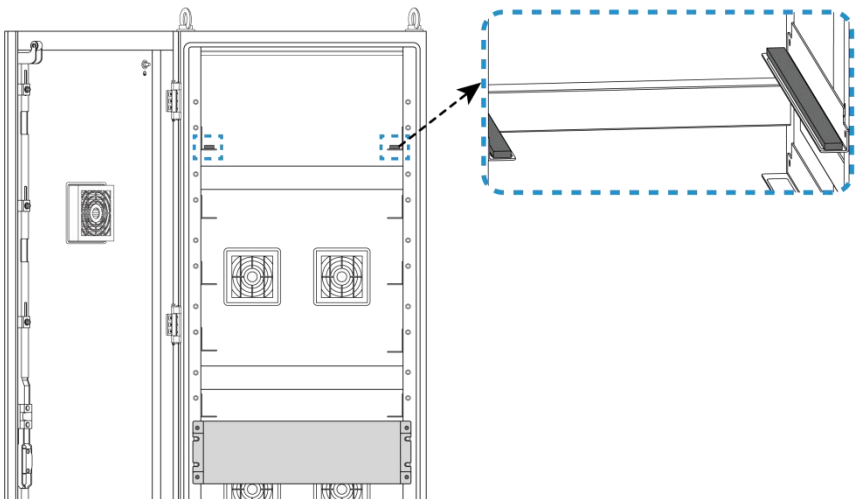


Base Plate*2

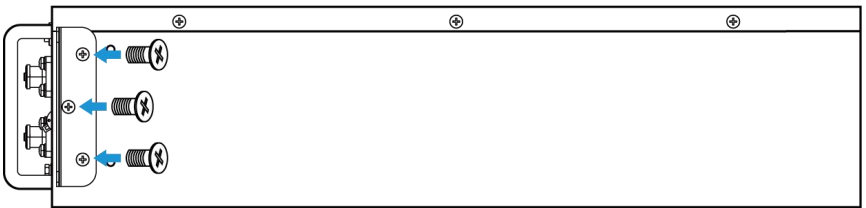
1. Fix the cabinet with expansion bolts, Recommended torque: 44~65 N·m. Check that the foot fixing bolts (M8×20) on top of the mounting feet are securely tightened. If tightening is required, the recommended torque for M8×20 bolts: 12~19 N·m.



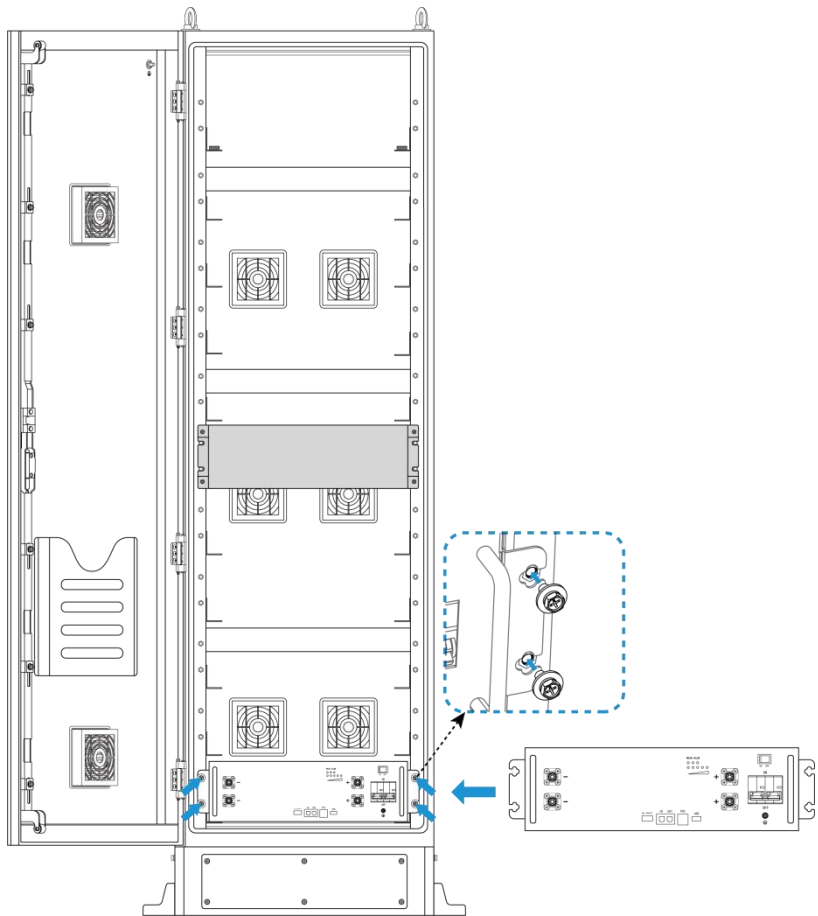
2. Attach the base plate to the topmost mounting frame.



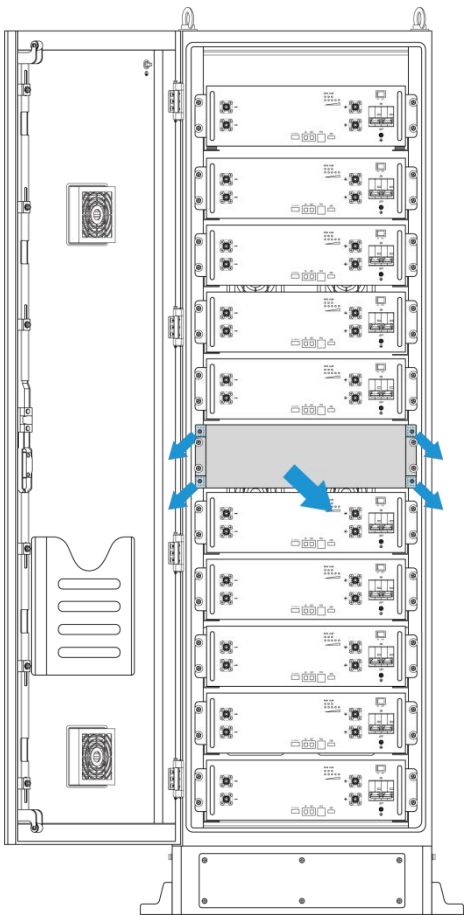
3. Fix the hanging lugs to the battery pack using M4*8 bolts. Recommended torque: 1.6~2.2 N·m.



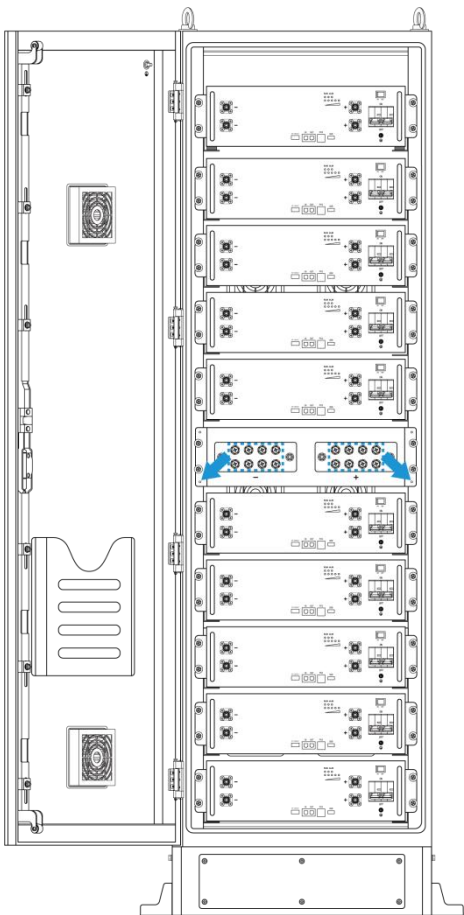
4. Insert the battery pack into the cabinet and secure it with M6*14 bolts. Recommended torque: 5.3~7.4 N·m.



5. Remove the protective cover of the junction box by remove the M4 nuts.



6. Remove the screws, nuts, flat washers and spring washers from the wiring area of the junction box.



7. Wiring

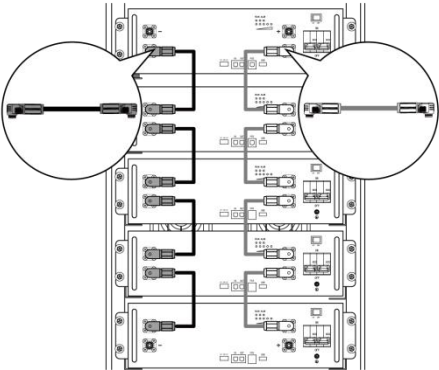
Power Cable Wiring

- Between Battery Packs (Battery Pack Parallel Connection Wiring)

Use Wiring Cable 1 to connect battery packs.Take the junction box as the boundary:

The 5 battery packs in the upper section are connected in sequence: positive to positive, negative to negative.

The wiring of the 5 battery packs in the lower section is same as above.

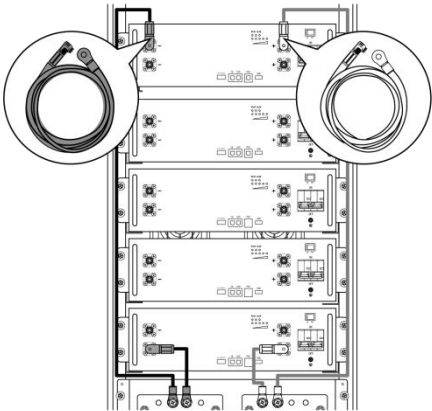


Ensure all connections are "positive to positive, negative to negative".
Cross connection is strictly prohibited.

- Between Battery Packs and Junction Box (Battery Pack to Junction Box Connection)

Use Wiring Cable 2 to connect the junction box to the upper and lower battery packs closest to it.

Use Wiring Cable 3 to connect the junction box to the topmost and bottommost battery packs.

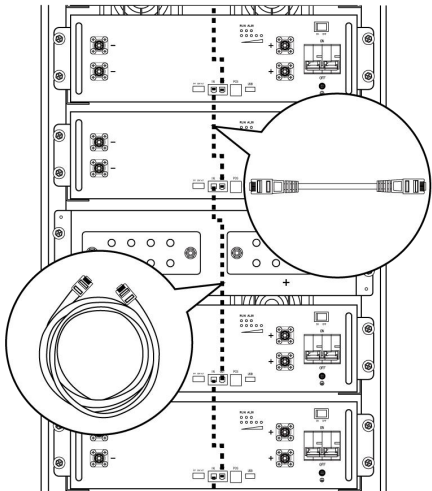


- Between Junction Box and Inverter

All remaining terminals of the junction box can be connected to the inverter.Select the wiring cable according to the inverter model. The cable shall be provided by the customer.

Communication Cable Wiring

- Between Battery Packs



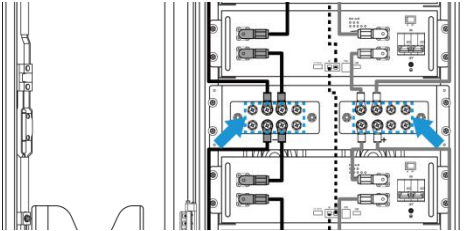
Use Wiring Cable 1 to connect battery packs.

Use Wiring Cable 2 for communication connections between battery packs which are adjacent to the junction box.

- Between Battery Packs and Inverter

It is recommended to use the bottommost battery pack for communication connection with the inverter.The cable shall be provided by the customer.

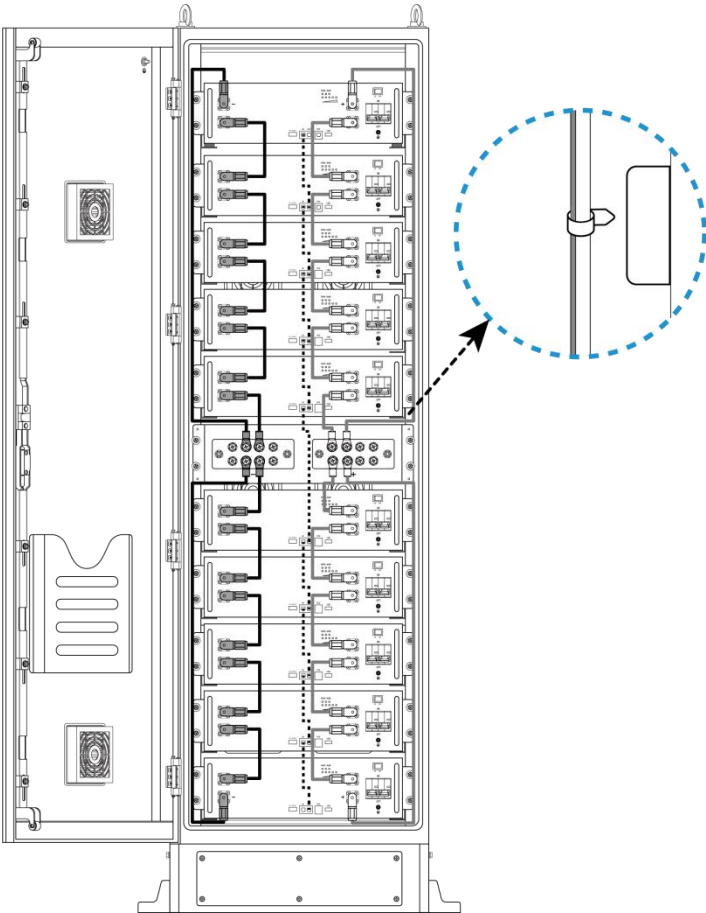
8. Fix the screws, nuts, flat washers and spring washers of the junction box in place to secure the connected wiring cables. Recommended torque: 30~33 N·m.



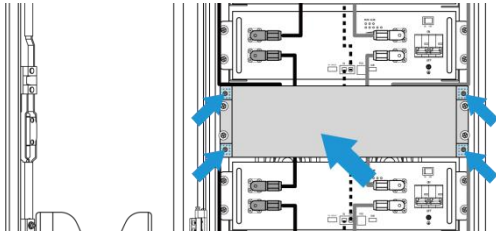
9. After wiring, fasten the long cables to a proper position on the left and right side of the cabinet with cable ties. Such fixation is to prevent cable loosening due to swaying, and more importantly, to avoid the cables from being scratched, cut or damaged by the cabinet door lock tongue during door operation.



Cable damage will result in electric leakage, which poses severe electrical risks and may trigger major safety accidents!



10. Replace the protective cover of the junction box and secure it with the original nuts. Recommended torque: 1.6~2.2 N·m.



11. External Wiring

Lead out the power cables (between junction box and inverter) and the communication cable (between battery pack and inverter) from the bottom cable outlet in accordance with the markings. The cables are connected to the inverter's battery input connectors.

After completing the wiring between the cabinet and the inverter, seal the bottom cable outlet with Fire-resistant mud.

