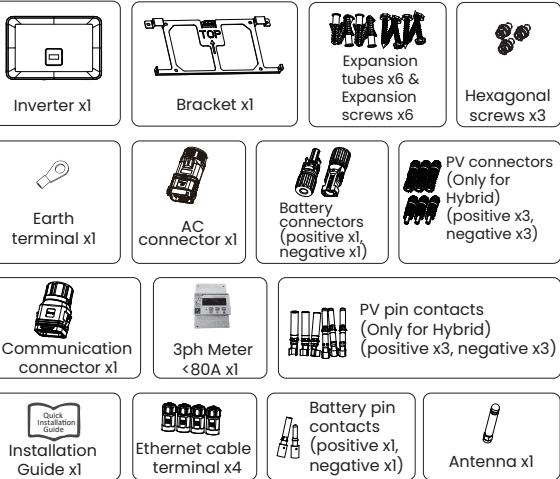


Quick Installation Guide

Note:
Storage inverter and AC couple inverter share a quick installation system. The AC couple inverter does not have a PV-side interface or accessories. For PV wiring and related steps in this quick installation, please disregard them during the installation of the AC couple inverter.

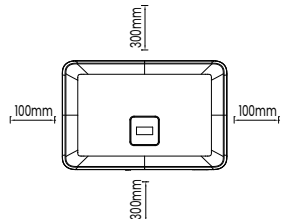
5-15kW Three Phase Storage Inverter

1. Packing List



2. Mounting Steps

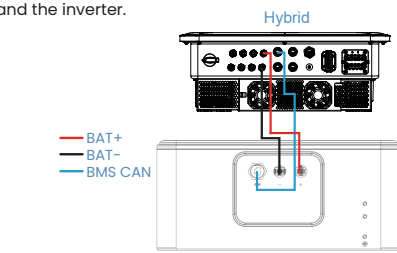
Step 1:
Please make sure the inverter will be installed with a proper distance as shown below.



6. BAT Connection

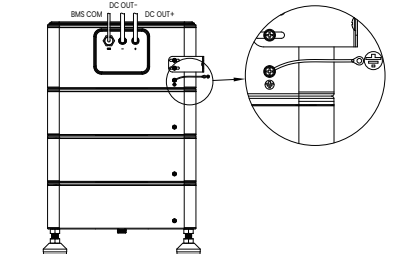
Step 1:
Prepare BAT wire.
We recommend to use the original BAT-Inverter power cable and communication cable from Battery's accessory bag. If require a longer cable, please contact our sales representative to purchase.

Step 2:
Connect the power line and communication line between the BMS and the inverter.



NOTE
When the standard cable harness of the battery is connected to the BMS part of the inverter, the waterproof connector on the battery side may not be compatible and needs to be replaced with the RJ45 waterproof connector from the inverter accessory kit. In this case, the original connector should be moved down and replaced with the one provided with the inverter. If the RJ45 connector on the inverter side is consistent with the one in the accessory kit, no replacement is required.

Step 3:
Connect the grounding cable to ensure that all batteries are grounded. Wiring shall be connected in the sequence as shown in below.



The connection between BMS and inverter should be less than 10m.

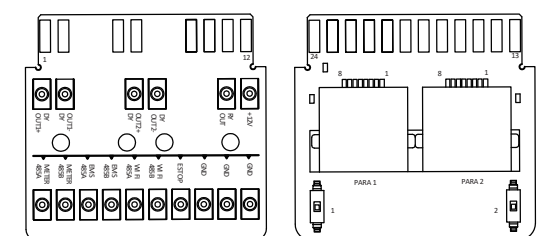
NOTE
The number of battery packs cannot be less than 2 pcs. (for ECS/EQ series battery)

13. COM Connection

Introduction to COM port:

The COM port mainly includes EMS485, Meter485, WiFi485, Estop port, two relay output ports, two parallel ports and a toggle switch, +12V and corresponding relay output signals.

The ripple control function is described below.



EMS 485:
Supports Modbus485 communication, which can be used to read and control inverters. The specific protocol is provided by the manufacturer.

Meter 485:
Similar to the Meter485 interface, this interface is designed to be redundant.

Wifi 485:
For internal testing.

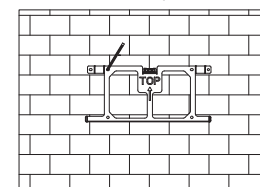
Estop port:
When short circuiting ESTOP and GND, the inverter will stop working.

DY OUT:

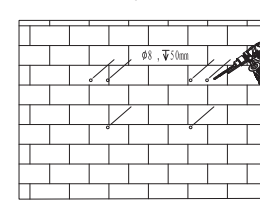
The inverter has two DY OUT interfaces, with two internal contacts of relays that can drive loads of 230VAC/1A/50VDC0.5A, and can be used for powering on and starting heat pumps.

PARA port RJ45:
Used for parallel communication, it is necessary to set the DIP switch to the ON state during parallel operation. +12V and RY-Out are used to control external relay switches and cannot be used for other functions.

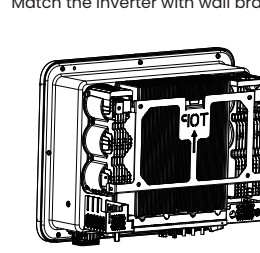
Step 2:
Select the installation location, place the bracket on the wall, and mark the hole positions.



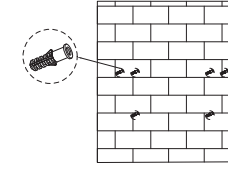
Step 3:
Drill the 6 holes with a ø8 drill bit. Depth at least 50mm. Hammer the expansion tubes.



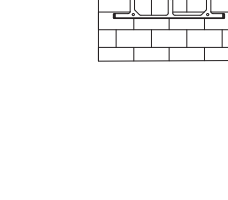
Step 5:
Match the inverter with wall bracket.



Step 4:
Installing the Bracket. Screw the expansion bolts.



Step 6:
Lock the screws on the side (left and right). Make sure the inverter is firmly attached.



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