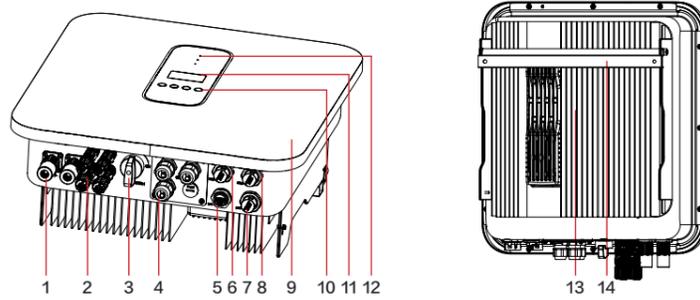
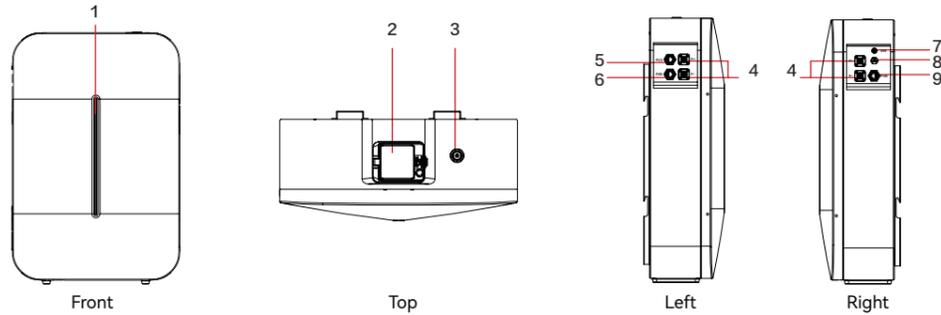


1. Product Overview

- 1. Battery Port
- 2. PV Input
- 3. DC Switch
- 4. Communication Ports
- 5. WIFI
- 6. GEN Port (Optional)
- 7. EPS Output
- 8. GRID Input
- 9. Front Panel
- 10. Function Buttons
- 11. Display
- 12. Status Indicator
- 13. Aluminum Heat Sink
- 14. Mounting Bracket



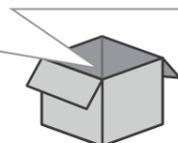
Optional - Lithium Battery



No.	Parts	Description	No.	Parts	Description
1	SOC Indicator	SOC and working status indication of the system	5	PCS Communication Port	Communication with inverter
2	Circuit Breaker	Breaker to turn on/off the battery power output	6	PAR (PCS port side)	1.Communication port for parallel connection 2.Communication port for upper computer
3	PCS Communication Port	1.Wake up the battery 2.Reset BMS	7	On/Off Button	Turn on/off the battery
4	Power Cable Ports	Power ports to PCS or to paralleled battery. Red port is positive. Black port is negative.	8	Pressure Relief Valve	Pressures inside is released via the vent
			9	PAR	Communication port for parallel connection

2. Packing List

- I1 Inverter x 1
- I2 Wall-mounting Bracket x 1
- I3 Expansion Plug Set x 2
- I4 Screw x 2
- I5 PV Connector Pins x 2 Pairs
- I6 GRID Connector x 1
- I7 EPS Connector x 1
- I8 Gen Connector x 1
- I9 PV Connector x 2 Pairs
- I10 Current Transformer x 1
- I11 Smart Communication Stick x 1
- I12 Allen Wrench x 1 (4mm)
- I13 User Manual x 1
- I14 OT Terminal with Insulating Jacket x 1 (for Grounding Cable)
- I15 Battery Cable Terminal Kit x 2 (Pre-Fixed to Battery Input of Inverter)
- I16 Tubular Cord End Terminal x 9 (E6012. for GRID/ GEN/EPS Connector)
- I17 Plastic Wrench for PV Mounting x 1
- I18 Magnetic Ring x 2

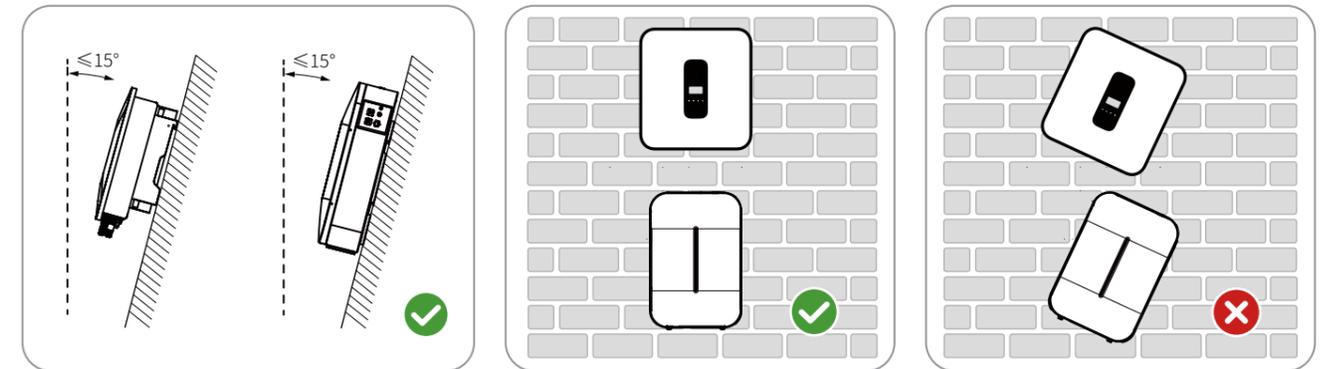


Optional - Lithium Battery Packing List

- B1 Battery x 1
- B2 Wall-mounting Bracket x 1
- B3 Expansion Plug Set x 9
- B4 Bottom Pad x 2
Screw x 4
- B5 Power Cable to Inverter(1.5m) x 2
Red for Positive.
Black for Negative.
- B6 Power Cable for Parallel (0.25m) x 2
Red for Positive.
Black for Negative.
- B7 Communication Cable(1.5m) to Inverter x 1
- B8 Communication Cable(0.25m) for Parallel x 1
- B9 User Manual x 1

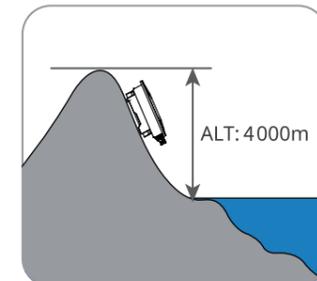
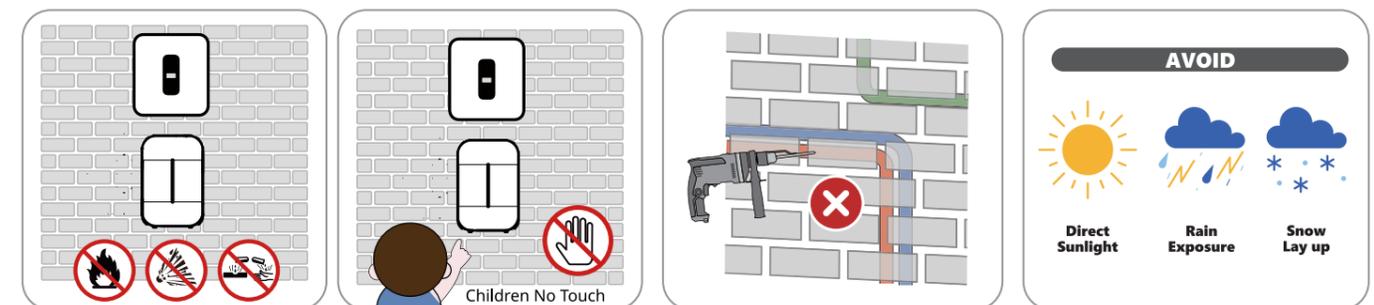
3. Location Requirements

Angle Requirement

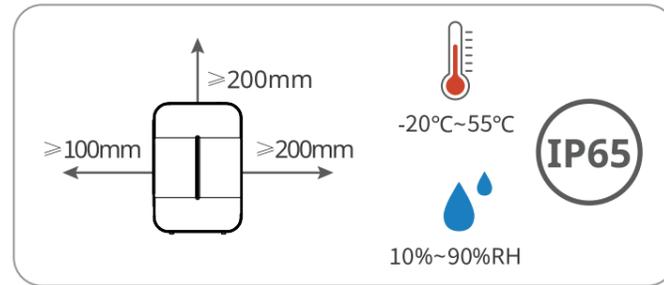
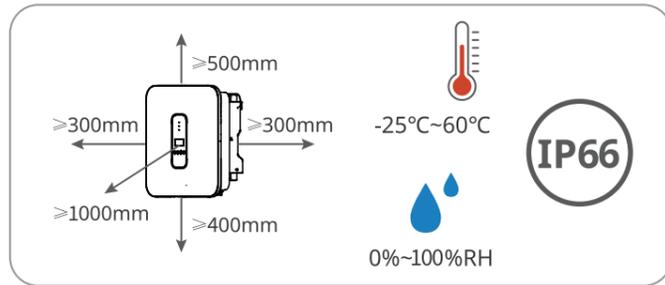


Ensure that the mounting wall is strong and reliable enough to withstand the weight of 100kg.
For example: concrete wall, brick wall, stone wall, etc.

Environment Requirement



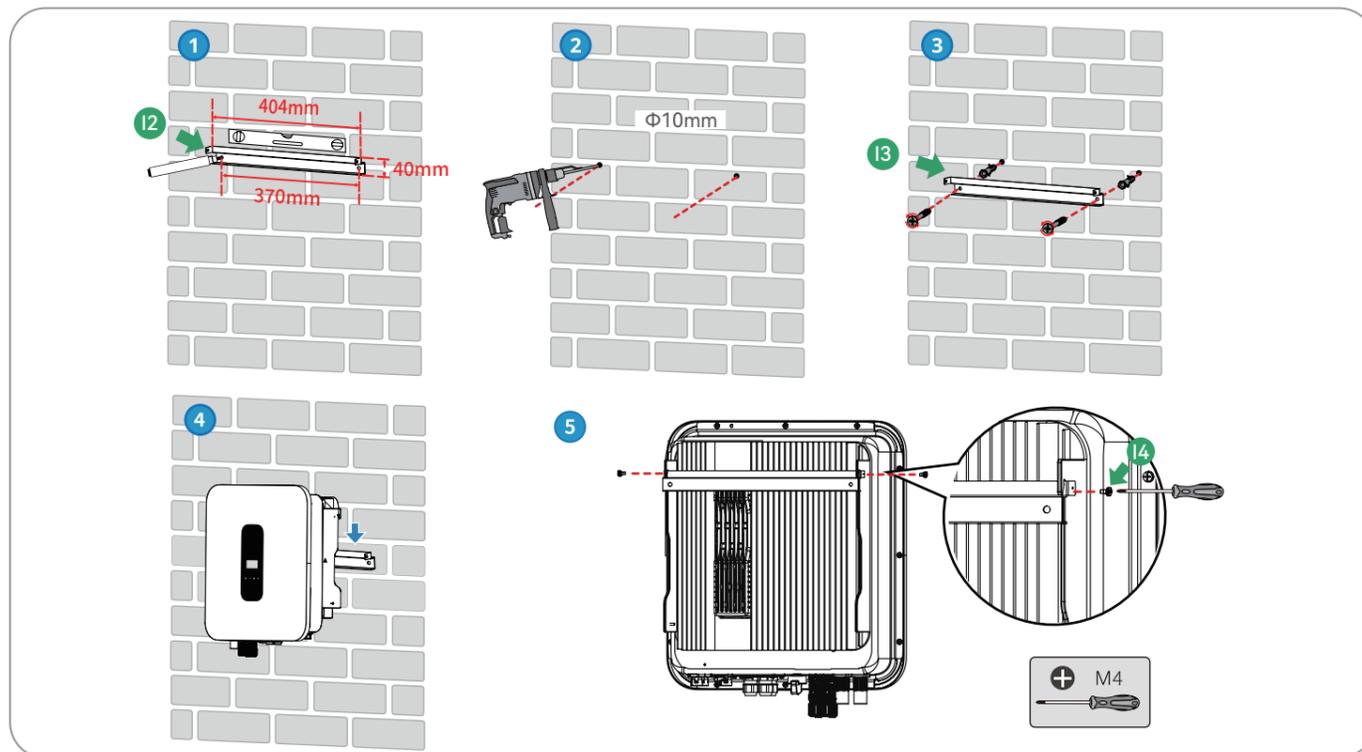
The optional battery has the same Max. Operating Altitude as the inverter.



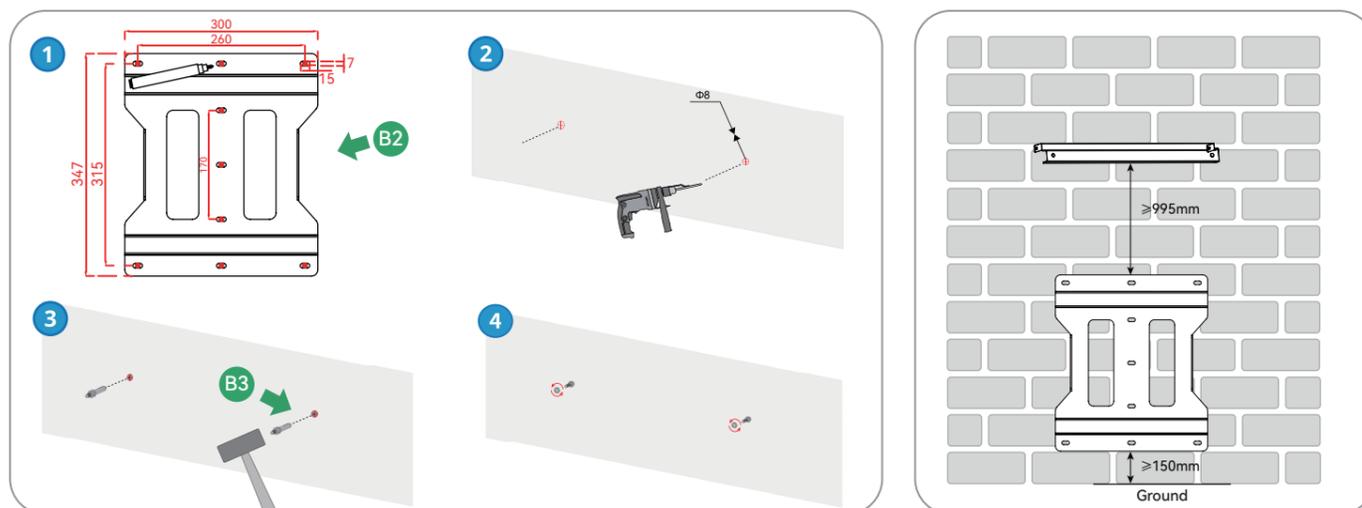
Inverters and optional batteries have different temperature, humidity, and IP levels. If only using Maxhub inverters, please follow the requirements of the inverters. If using both Maxhub inverter and battery, please follow requirements the battery .

4. Mounting

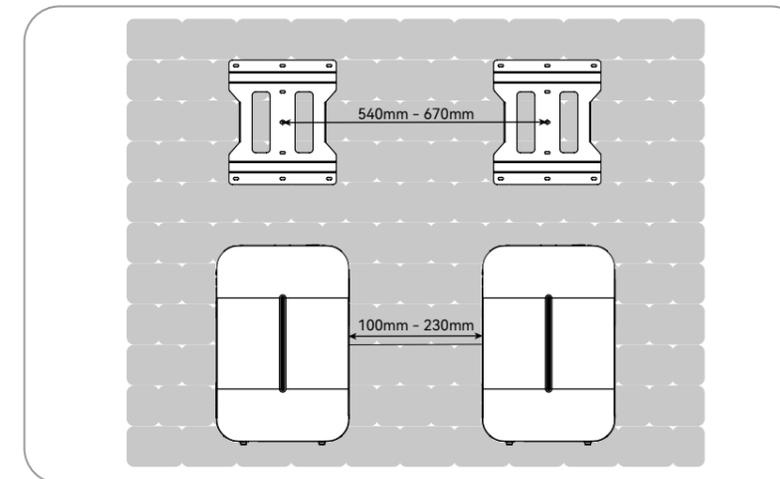
Inverter Mounting



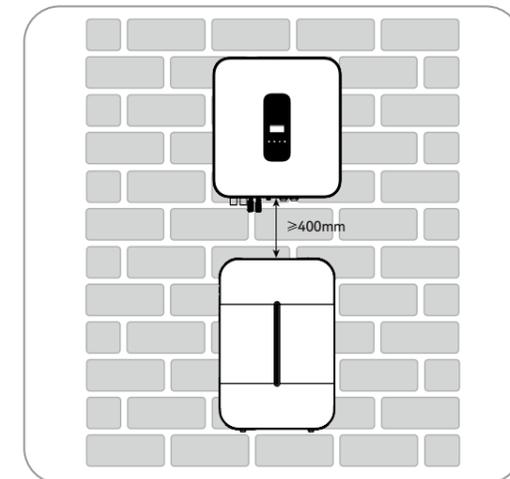
Optional - Lithium Battery Mounting



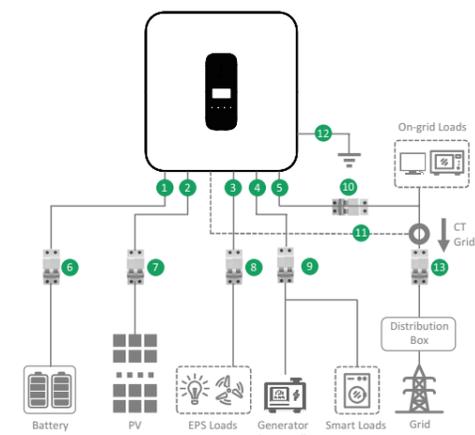
Position requirement when connecting batteries in parallel



Inverter is recommended to install above battery



Cable and Breaker Suggestion



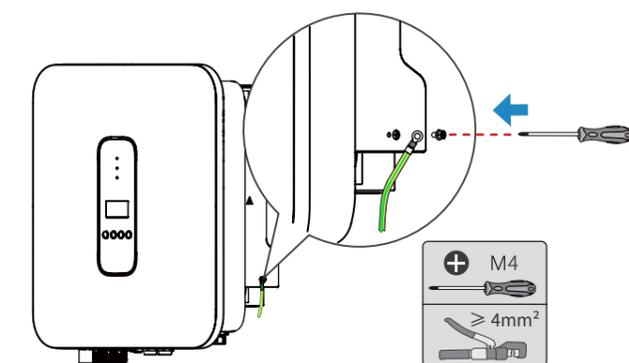
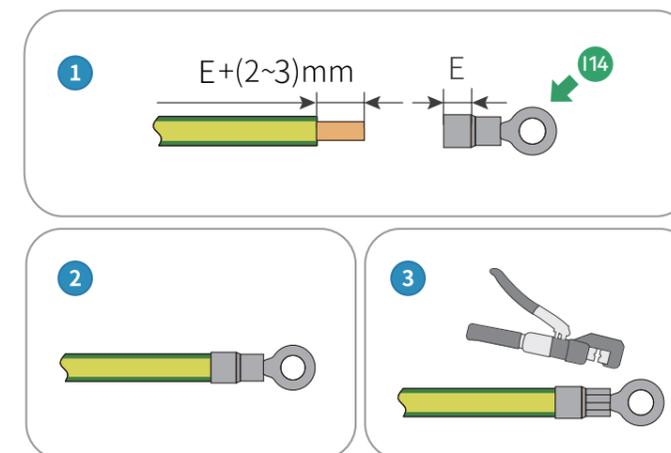
Cable / Breaker Recommend

No.	Cable/Breaker	Type	Recommended models
1	Battery cable	Complying with 150A standard	25mm ² and above
2	PV cable	Common outdoor PV cable in the industry	4mm ² and above
3	EPS cable	Outdoor 3-core(L, N and PE) copper wire cable	6mm ² and above
4	GEN cable	Outdoor 3-core(L, N and PE) copper wire cable	6mm ² and above
5	AC cable	Outdoor 3-core(L, N and PE) copper wire cable	6mm ² and above
6	Battery breaker		150A
7	PV breaker		30A
8	EPS breaker		40A
9	Generator breaker		40A
10	On grid breaker		40A
11	CT with cable		
12	Ground cable	Outdoor single-core yellow-green cable	4mm ² and above
13	AC breaker		Reference to home load

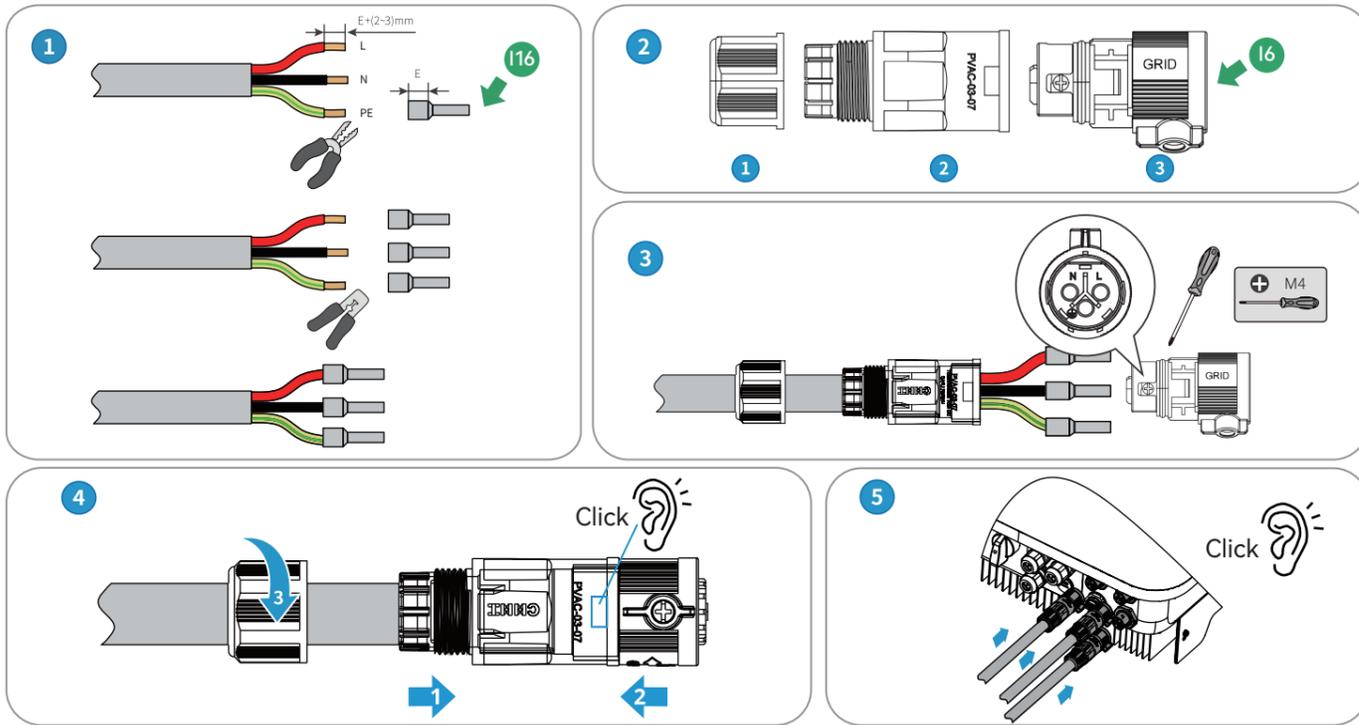
Note:
The generator function is optional. Some models or models sold in certain regions do not include generator function. For details, please consult the retailer or after-sales service.

5. Grounding Connection and AC Cable Connection

Ground Cable Connection



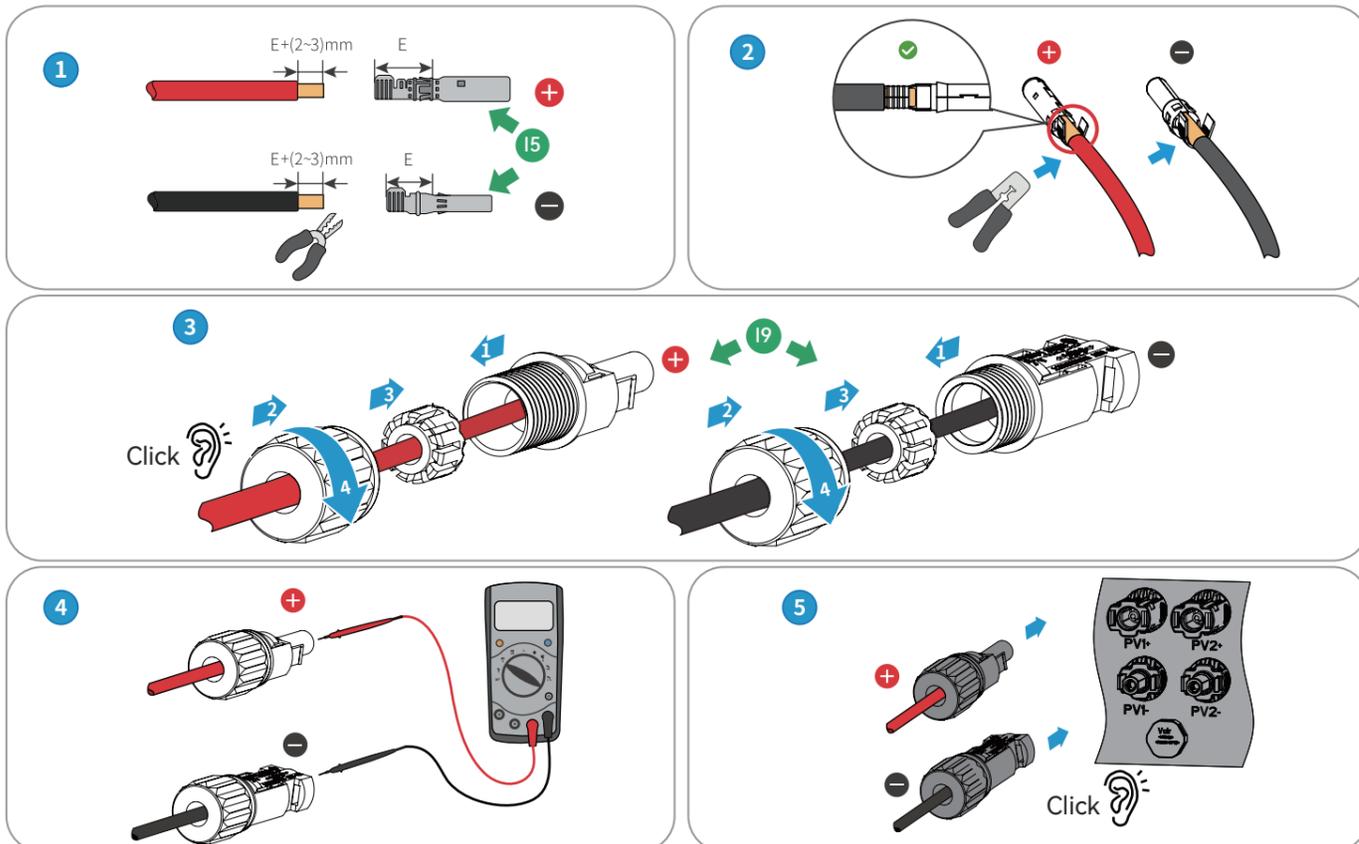
AC Cables Connection(Including Grid, EPS, GEN Cables)



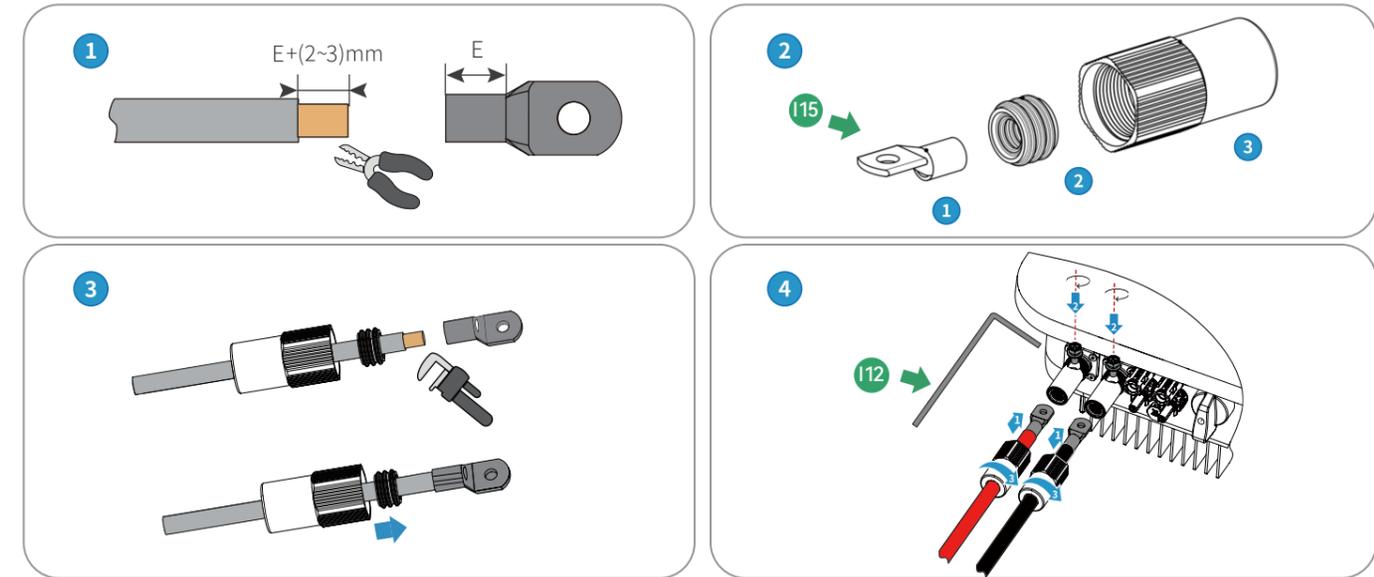
The connection method of EPS cable is the same as AC cable. The connector is marked as EPS.
 The GEN port is use as generator input or smart load output. Generator/smart load is the optional function.
 The connection method is the same as AC cable. The connector is marked as GEN.

6. PV Cables and Battery Cables Connection

PV Cables Connection



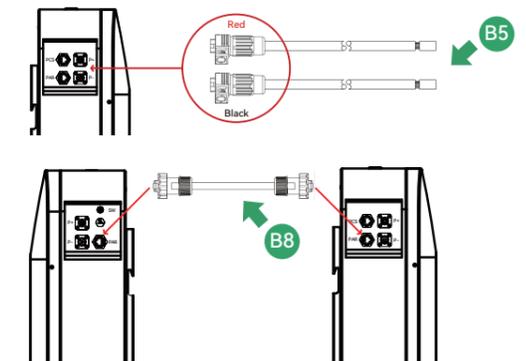
Battery Cables Connection



Connect to Battery

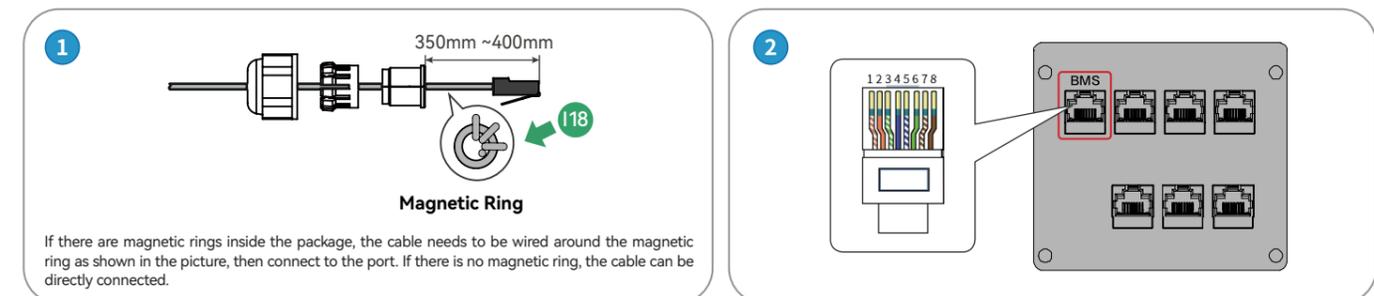
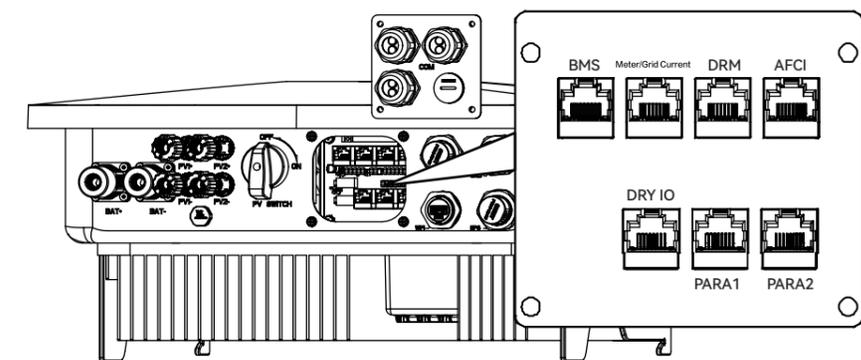
If using Maxhub battery, the battery packaging comes with power cables (between the inverter and the battery). One end of the power cable can be made by above method, and the other end can be directly inserted into the battery.

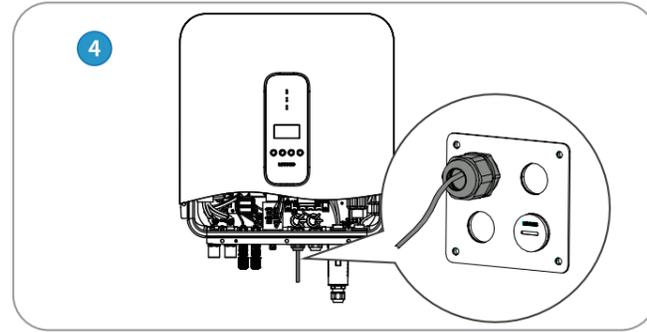
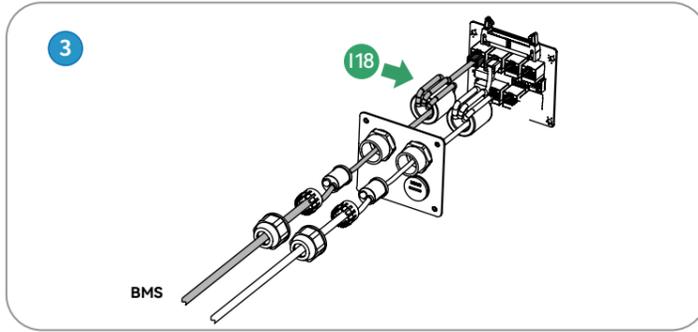
Note: If lead-acid batteries are used, it is necessary to add DC breaker (recommended specifications for breaker are voltage 80V, current 125A) and DC fuses (recommended specifications for fuses are voltage ≥ 80V, current 150-200A) between the inverter and the lead-acid batteries.



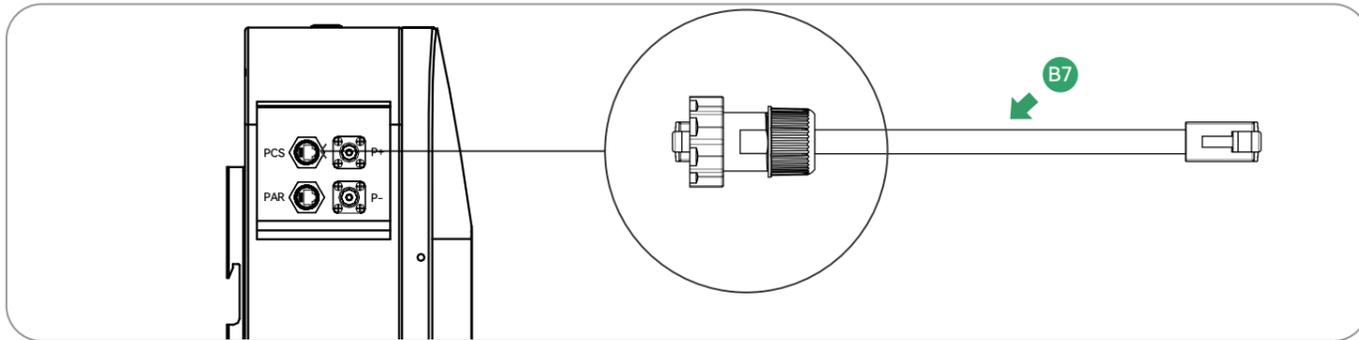
7. Communication Cables Connection

BMS cable - Connect to Inverter(If it is a lead-acid battery there is no need to connect BMS cable.)

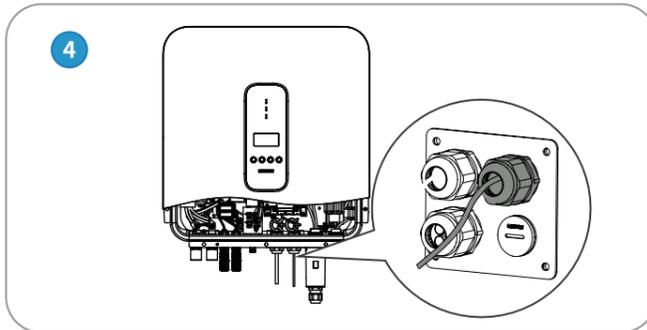
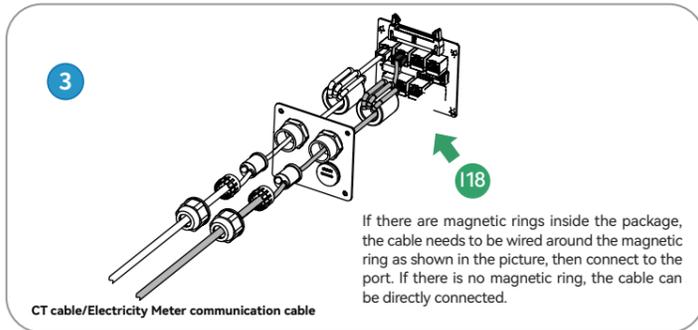
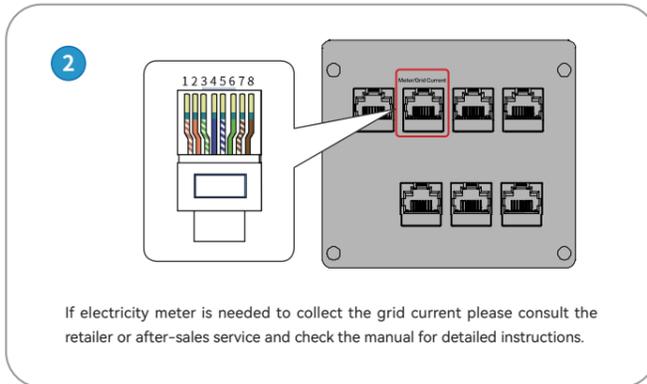
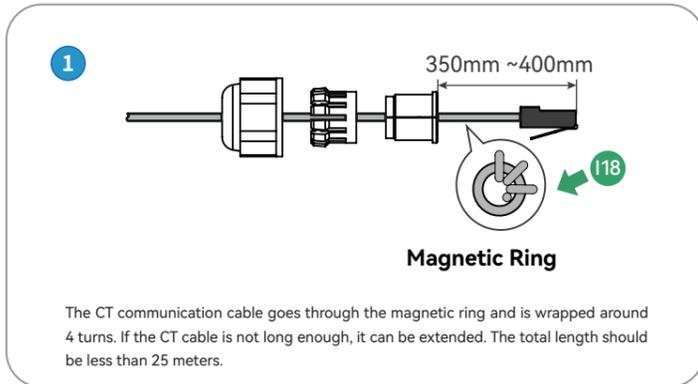




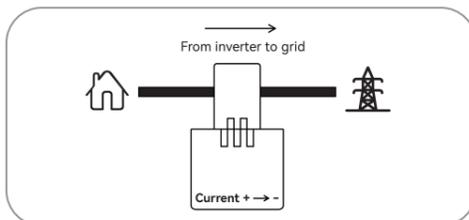
BMS Cable - Connect to Lithium Battery



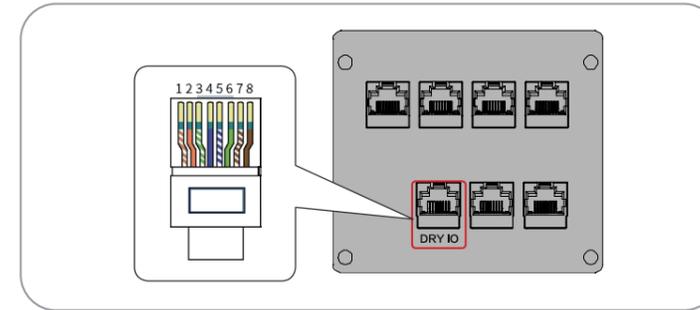
CT Cable/Electricity Meter Communication Cable - Connect to Inverter



CT Direction



Optional | Generator Communication Cable -Inverter Side (Plug Into DRY IO Port)

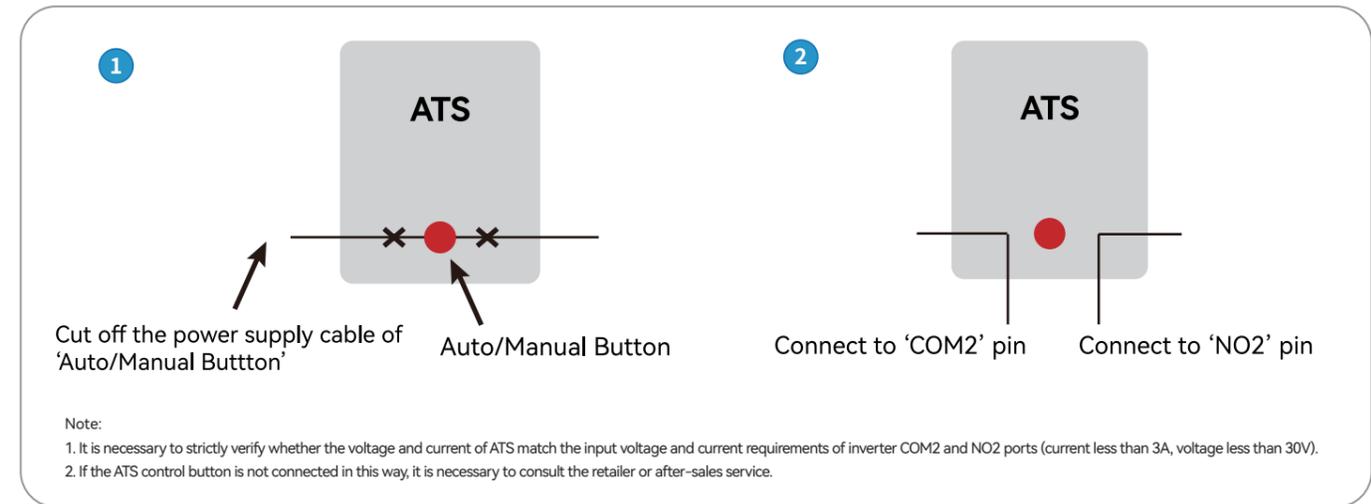


Optional | Generator Communication Cable - ATS Side

The wires on either side of the ATS control button are disconnected from the ATS and connected to pin six and seven. Check the following instruction.

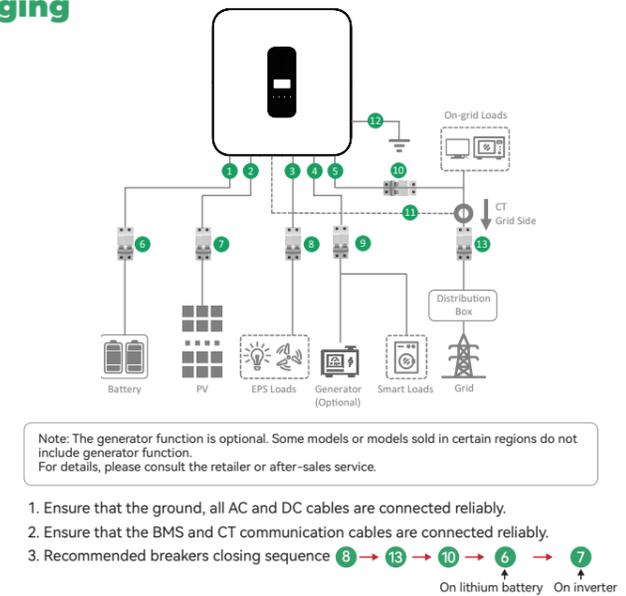
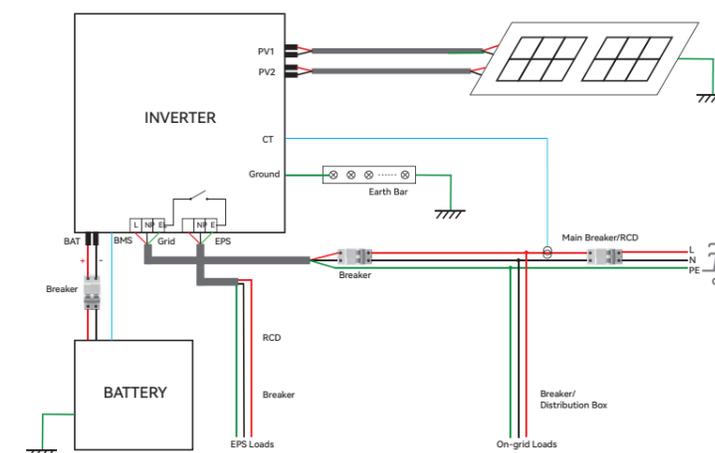
DRY IO	Communication with Generator	1.NO1	2.NC1	3.COM1	4.NC
		5.NC	6.COM2	7.NO2	8.NC2

How to make the DRY IO cable to realize the inverter automatic switching generator function

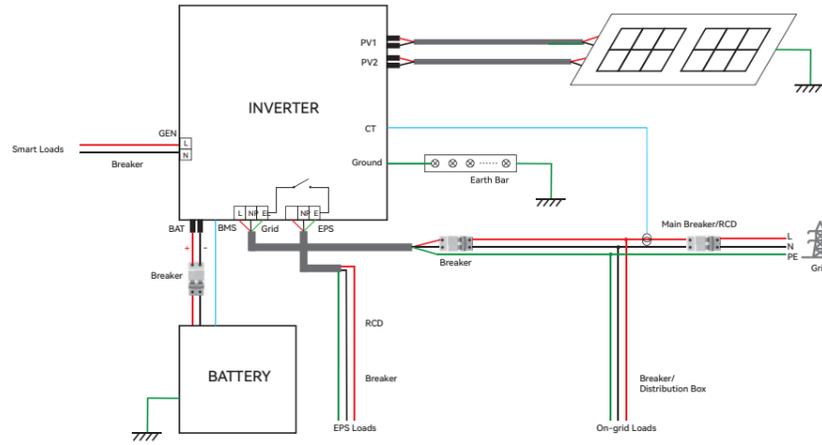


8. Check the Installation, Power-on & Debugging

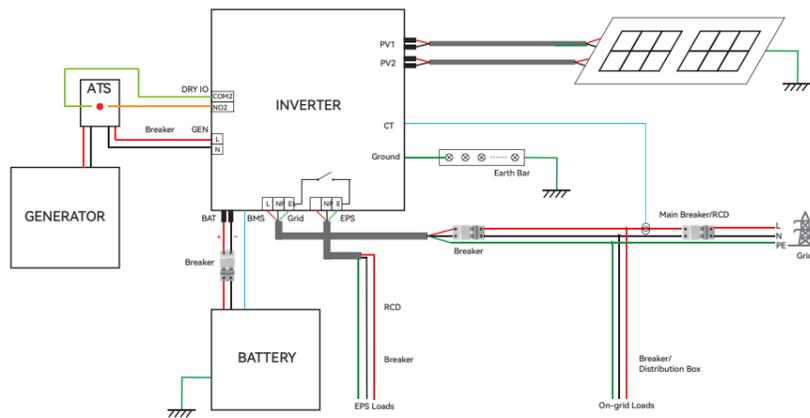
Connection Diagram



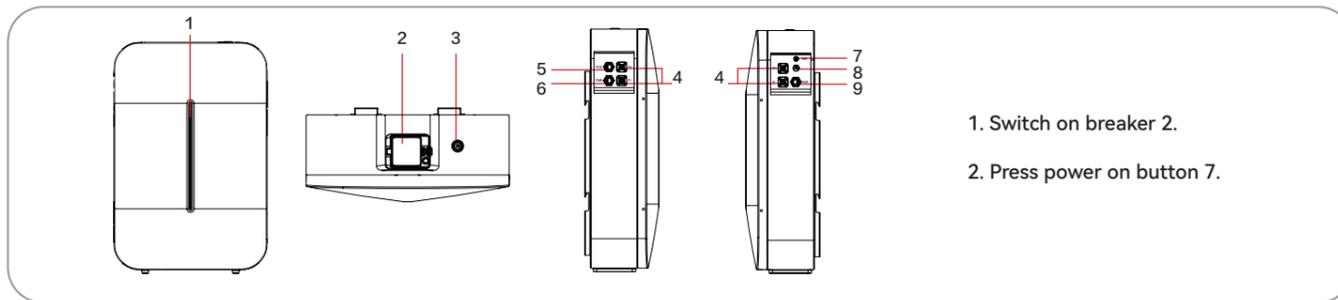
Connection Diagram
(Optional - GEN port used as Smart Load)



Connection Diagram
(Optional - GEN port used as Generator input)

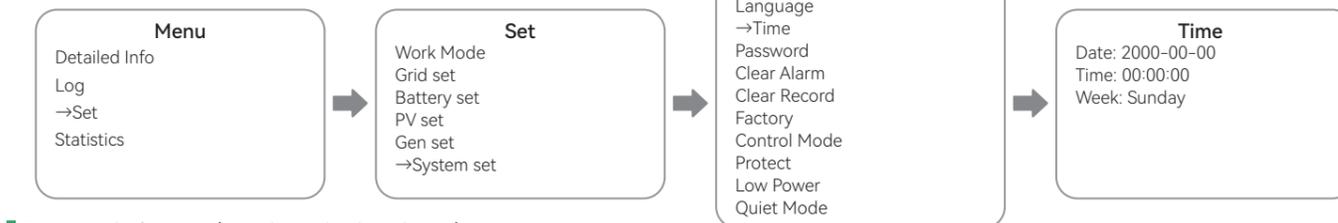


Optional-Lithium Battery Start-up

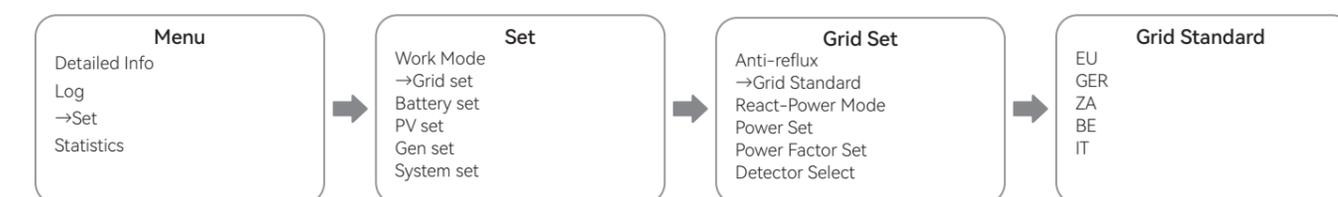


4. Setting time and grid information

Setting time



Setting grid information(according to local regulations)

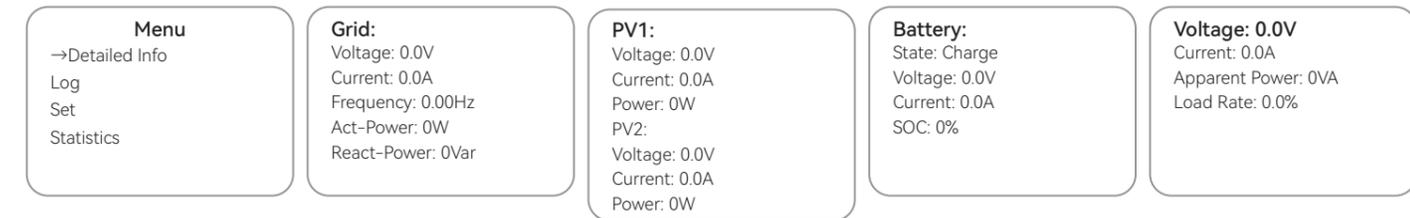


Optional-Make the following settings by using lead-acid batteries

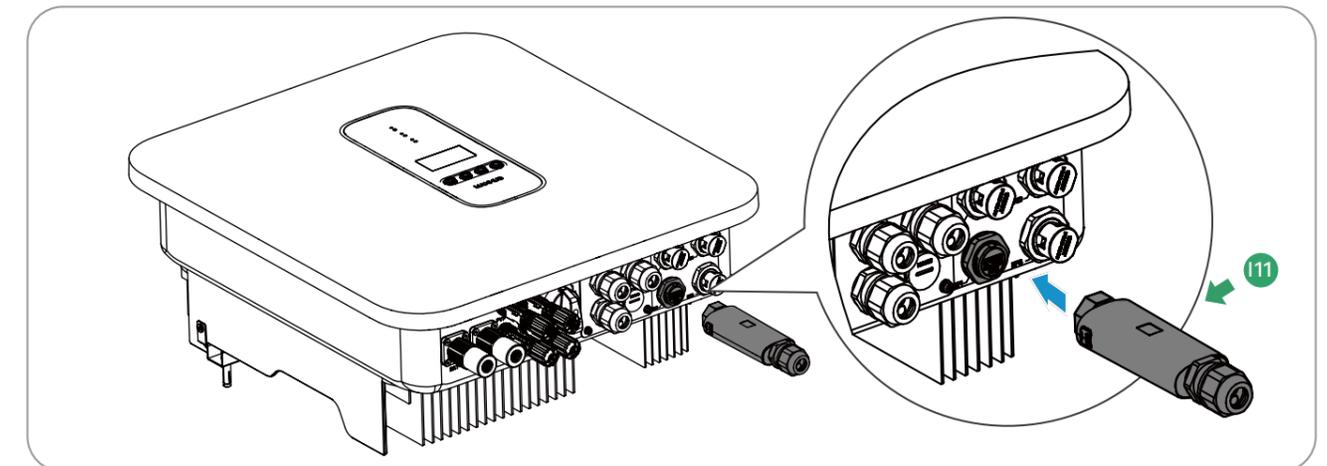
Go to the Battery Settings page



Setting detailed parameters according to the actual lead-acid batteries



9. Smart Communication Stick Connection



Please check the inverter user manual chapter-Appendix A Maxhub Solar APP Quick Configuration Guide(WiFi+LAN_DUWL-NK) to see the detailed setup steps or scan the QR code to download the Quick Configuration Guide.



10. General Statement & After-sale Contacts

1. General Statement

The content of the documentation may be updated from time to time due to product version upgrades or for other reasons. If not specifically agreed upon, the content of the documentation does not replace the safety precautions on the product label or in the user manual. All descriptions in this document are intended as a guide to use only. Before installation, please read the Quick Installation Guide carefully. For more information, please refer to the user manual. All operations of the equipment must be carried out by professional technicians, who should be familiar with the relevant standards and safety norms of the project site. Before installing the equipment, please check whether the type of delivered parts matches the order, whether the quantity is complete, and whether the appearance is damaged. If there is any abnormality, please contact the after-sales service.

When the inverter is operated, insulated tools should be used and personal protective equipment should be worn to ensure personal safety. Contact with electronic devices need to wear electrostatic gloves, electrostatic bracelets, anti-static clothing, etc., to protect the inverter from electrostatic damage. Damage to the equipment or injury to personnel caused by failure to install, use, or configure the inverter in accordance with the requirements of this document or the corresponding user's manual is not within the scope of the equipment manufacturer's responsibility. More information on product warranty is available through the official website.

2. After-sale Contacts

+86-20-86154560 solar-service@maxhub.com