



2026-08-05 / V2.3 / EN

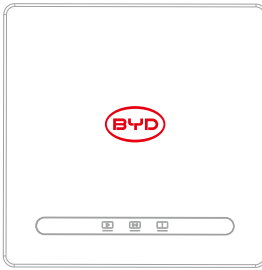
Single-Phase Hybrid Inverter

Power-Box SH3K Power-Box SH5K
Power-Box SH3.7K Power-Box SH6K
Power-Box SH4.6K

Quick Start Guide

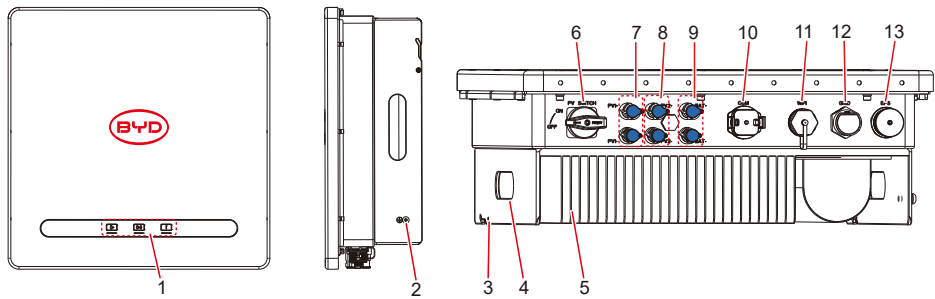
NOTICE ▶

- The information contained in this document is subject to change without prior notice. While every effort has been made to ensure the accuracy of its contents, all statements, information, and recommendations herein do not constitute any form of warranty, either expressed or implied. This document is for quick guidance installation only. For details, please refer to the User Manual.
- Prior to installing the device, please read the user manual thoroughly to familiarize yourself with the product information and safety precautions.
- Only certified electricians are permitted to operate the device. Personnel must wear appropriate personal protective equipment (PPE) at all times.
- Before installation, verify that the package contents are complete and undamaged, as per the packing list. Should you discover any damage or missing components, please contact your dealer immediately.
- Any damage to the device resulting from non-compliance with the instructions provided in this document will not be covered under warranty.
- The cable colors referenced in this document are for illustrative purposes only. Please select cables in accordance with local electrical standards and regulations.
- The hybrid inverter supports multiple inverters in parallel. For details, please refer to the User Manual.



Scan the QR code to access the latest documents.

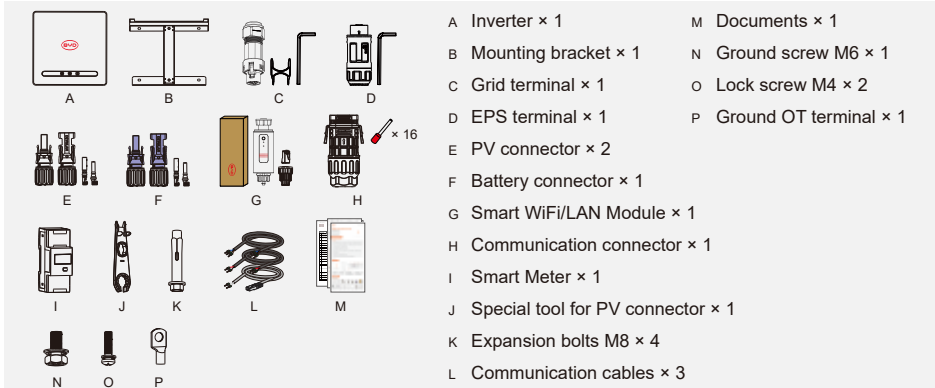
1 Overview



- | | | | |
|------------------|---------------|---------------------|-----------------------|
| 1 LED indicators | 4 Hand holder | 7 PV1 connector | 10 Communication port |
| 2 PE port | 5 Heat sink | 8 PV2 connector | 11 WiFi port |
| 3 Lock hole | 6 PV switch | 9 Battery connector | 12 Grid connector |
| | | | 13 EPS connector |

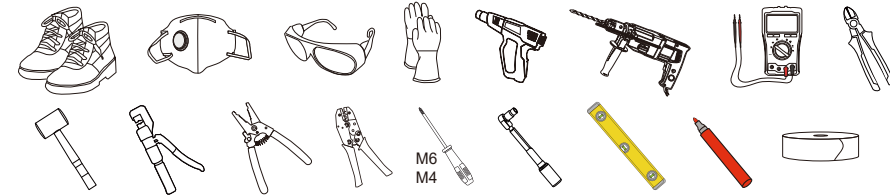
2 Installation

2.1 Unboxing

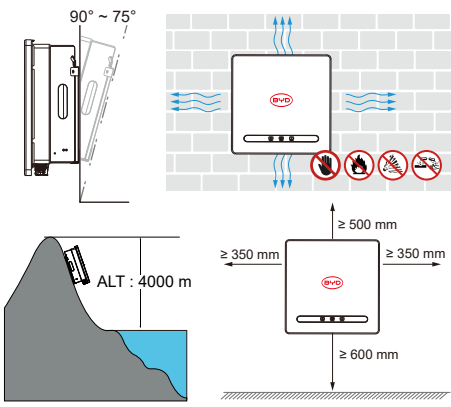


- | | |
|-------------------------------------|--------------------------|
| A Inverter × 1 | M Documents × 1 |
| B Mounting bracket × 1 | N Ground screw M6 × 1 |
| C Grid terminal × 1 | O Lock screw M4 × 2 |
| D EPS terminal × 1 | P Ground OT terminal × 1 |
| E PV connector × 2 | |
| F Battery connector × 1 | |
| G Smart WiFi/LAN Module × 1 | |
| H Communication connector × 1 | |
| I Smart Meter × 1 | |
| J Special tool for PV connector × 1 | |
| K Expansion bolts M8 × 4 | |
| L Communication cables × 3 | |

2.2 Tools & additional accessories (not included in the scope of delivery)

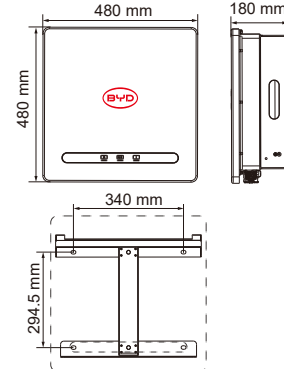


2.3 Installation requirements

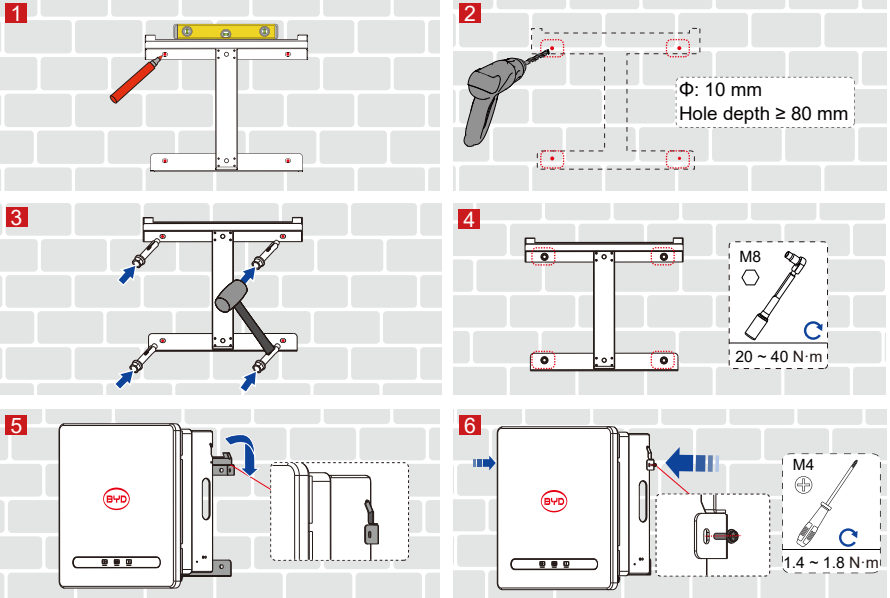


2.4 Installation

2.4.1 Mounting hole

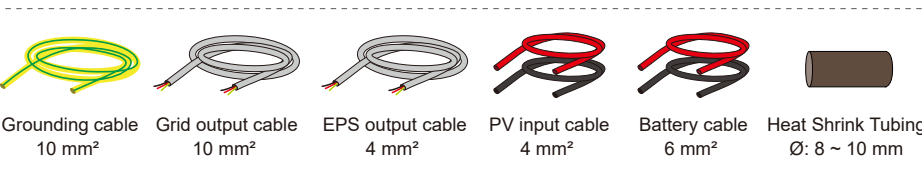


2.4.2 Install the mounting bracket

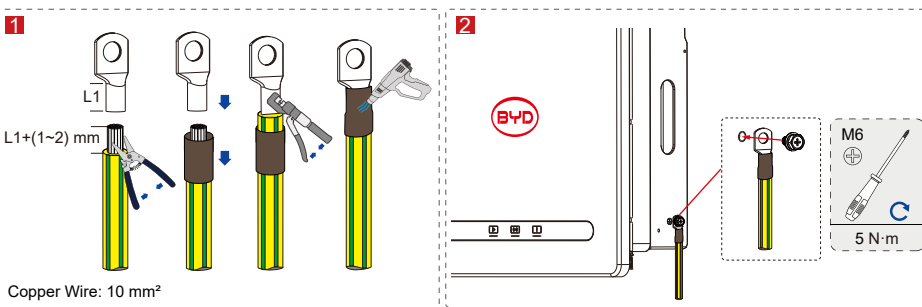


3 Electrical Connection

3.1 Cables preparation

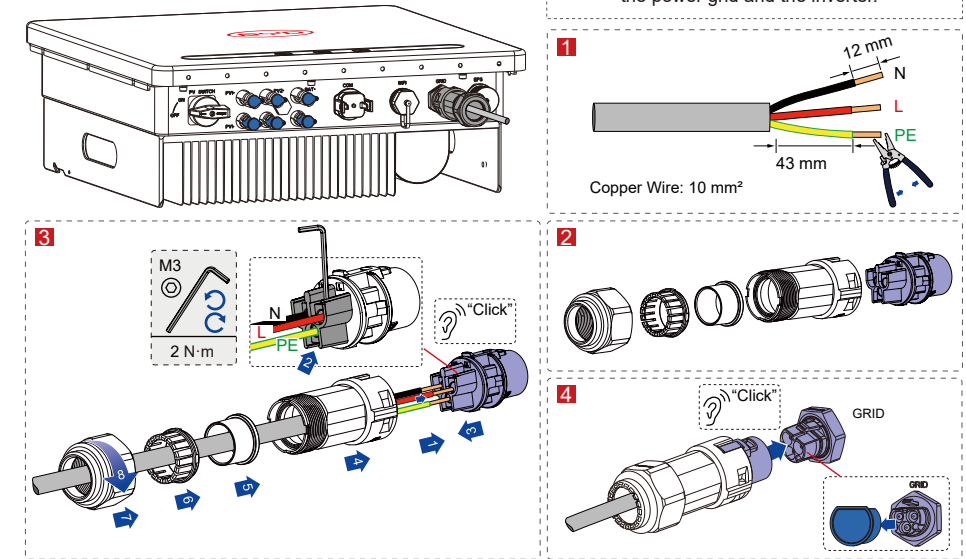


3.2 PE cable

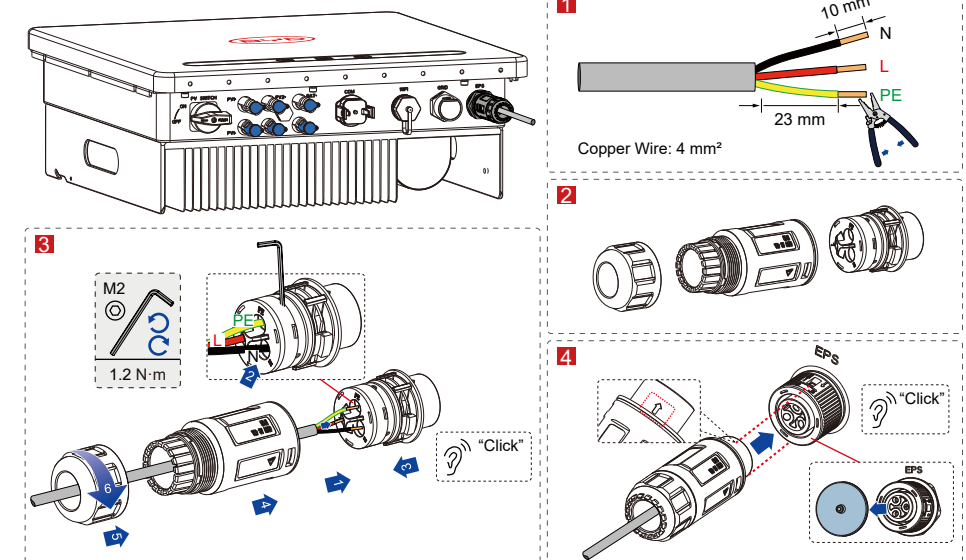


3.3 AC Cable

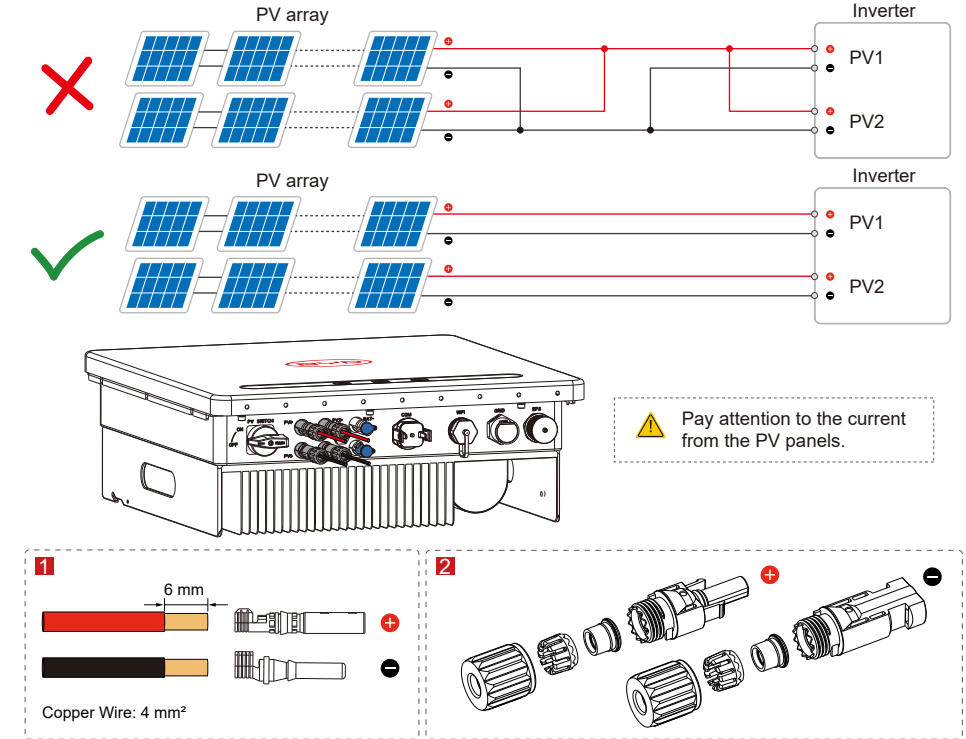
3.3.1 Grid cable

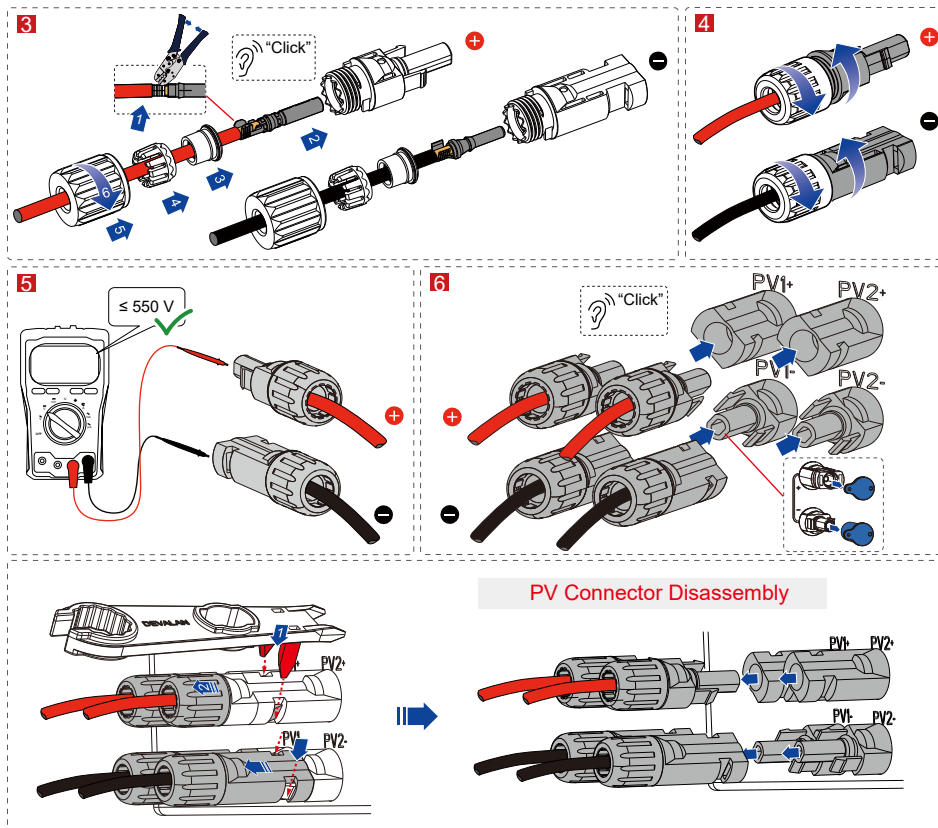


3.3.2 Eps cable

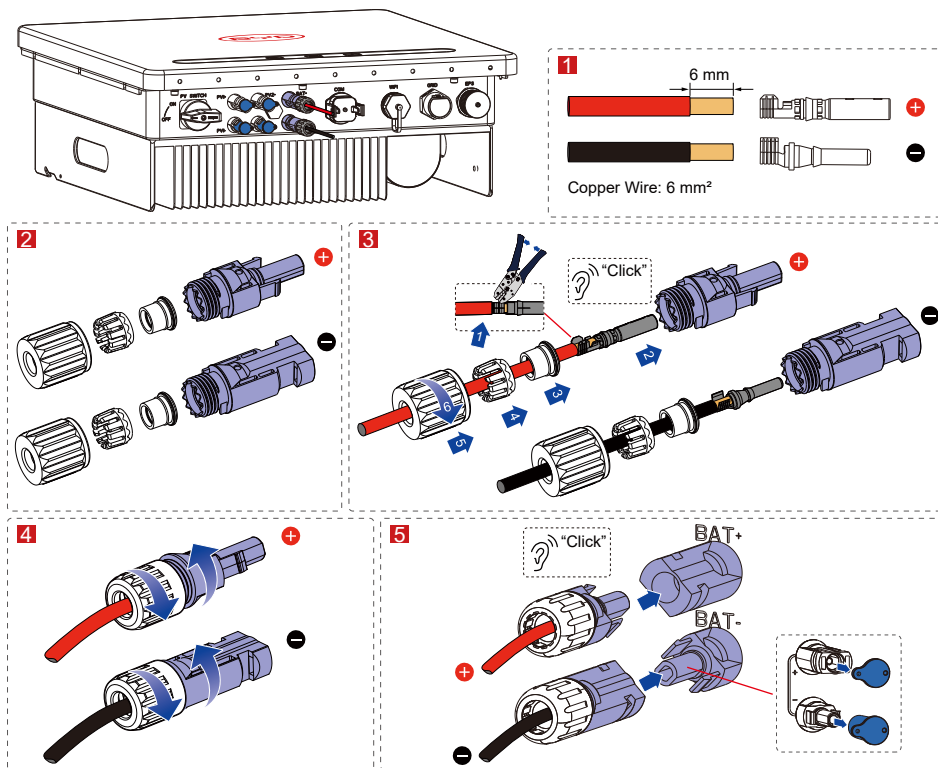


3.4 PV cable

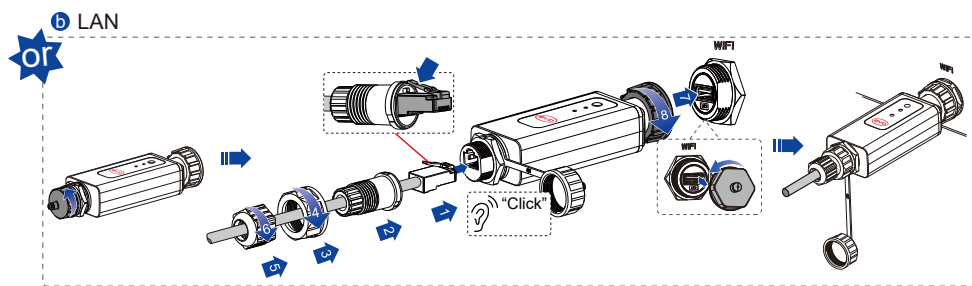
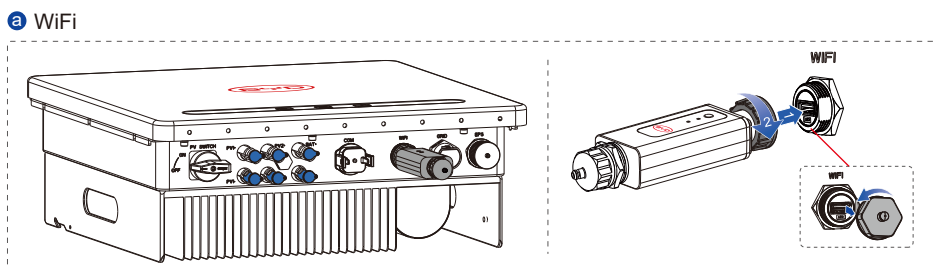




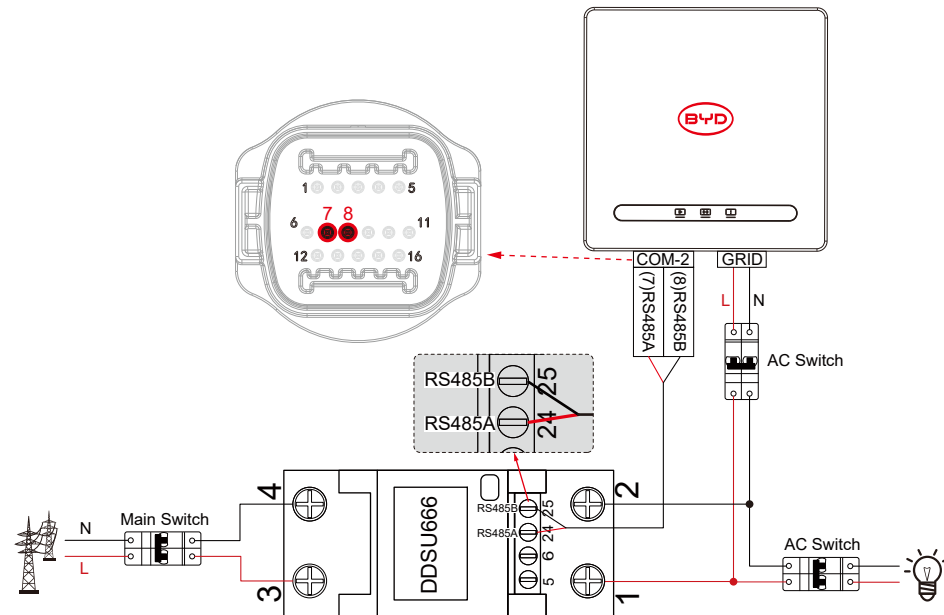
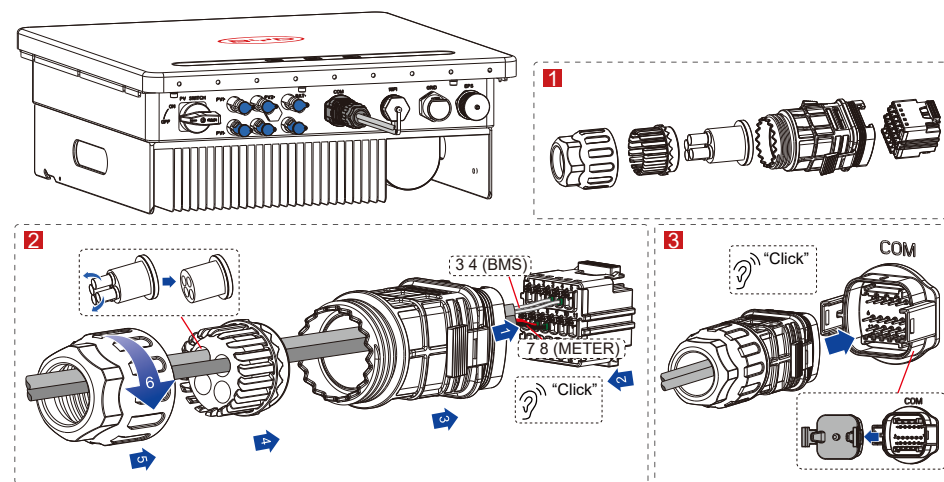
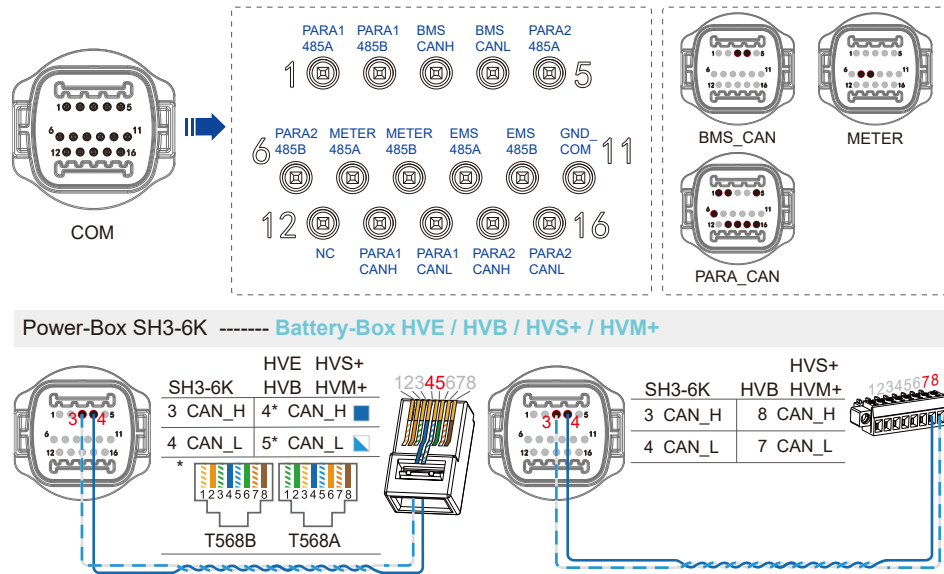
3.5 Battery cable



3.6 Connection of WiFi & BLE stick (a or b)



3.7 Communication cable

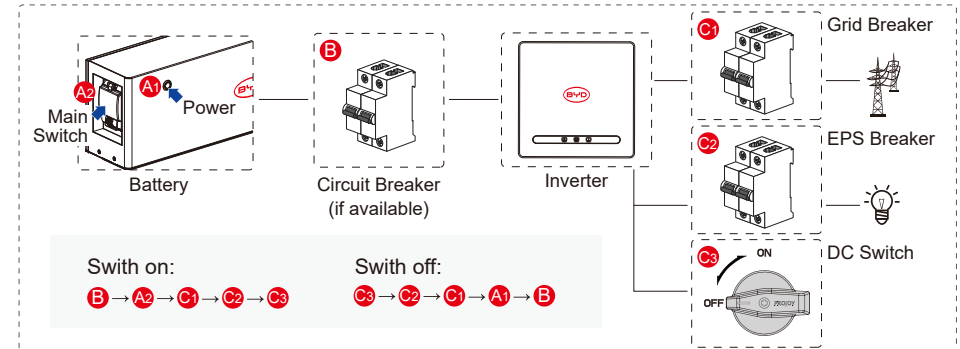


4 Commissioning

4.1 Check before power on

No.	Checking Item	Inspection result Yes √ / No ×
1	Hybrid inverter is installed correctly and firmly.	☐
2	All switches off.	☐
3	WiFi & BLE stick Installation is installed correctly and firmly.	☐
4	The ground wire confirms the connection and is reliable.	☐
5	Cable wiring is reasonable, meets the requirements, no broken skin, etc.	☐
6	All wires are correct and securely connected.	☐
7	Cable tie port trimming, no sharp corners, etc.	☐
8	All exposed terminals are well protected, no vacant ports.	☐
9	Pay attention to packing all the residual materials.	☐

4.2 Power on / off



Category	Symbol	Status	Definition
Operation light		On-grid operation 0.5 s Standby mode 1 s Off-grid operation	
Communication light		Normal communication (battery / meter) 1 s Abnormal / disconnected communication (battery / meter)	
Fault light		Serious fault, need to stop for inspection	
Special display		Off-grid and disconnected communication 1 s Update	

*The green, blue and red lights are displayed independently.

4.3 Setting inverter parameters via BYD Energy App

Please set the inverter parameters first via BYD Energy App to ensure its normal operation. BYD Energy App is a smart phone application used to communicate with the inverter via Smart WiFi/LAN Module.

Commonly used functions:

1. Check the operating data, software version, alarms, etc.
2. Set grid parameters, communication parameters, etc.
3. Maintain the equipment.
4. Upgrade the software version of the inverter.

You can scan the QR code or visit the provided link (www.bydenery.com) to download the BYD Energy App and access the user manual.

* Before proceeding with system configuration, verify that the inverter firmware is updated to the latest version. If not, perform the firmware update first.

BYD Authorized Service Partner

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