



2026-09-21 / V2.4 / EN

Three-Phase Hybrid Inverter

Power-Box TH5K Power-Box TH10K Power-Box TH12K
Power-Box TH6K Power-Box TH10K-BE Power-Box TH15K
Power-Box TH8K

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.
- 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.

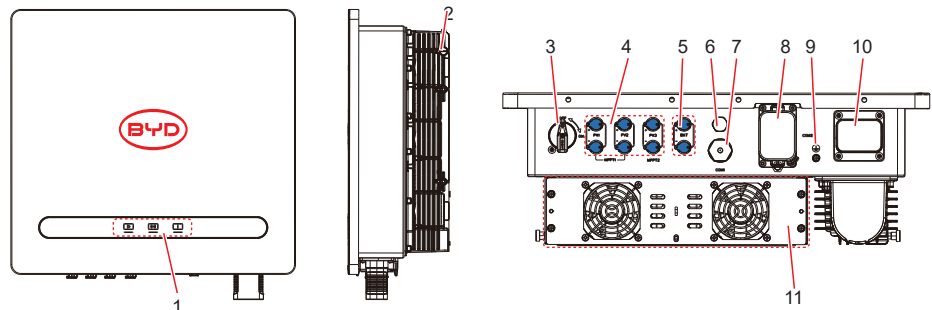


Scan the QR code to access the latest documents.



Scan the QR code to access installation guides for **advanced functions**, including parallel systems, AC coupling and other extended features.

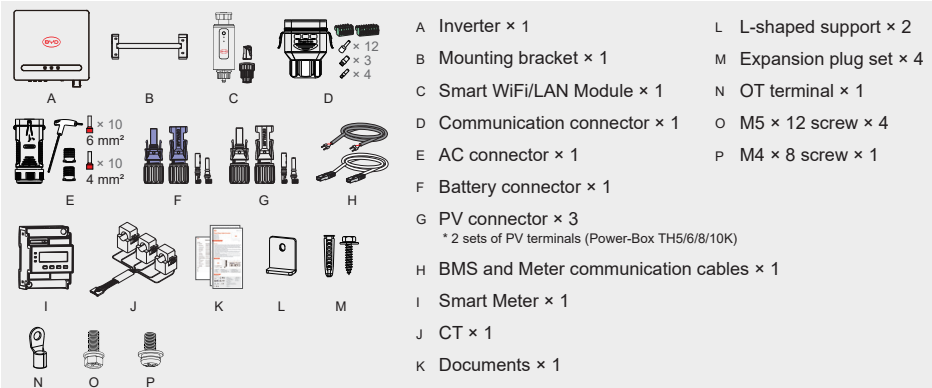
1 Overview



- | | | |
|-------------------|----------------------------------|--------------------------------------|
| 1 Indicator light | 5 BAT input port | 8 Communication port |
| 2 Hangers | 6 SRV-Safety relief valve | 9 Protective ground terminal |
| 3 DC switch | 7 Communication module interface | 10 On-grid / Backup terminal |
| 4 PV input port | (WiFi / Bluetooth / LAN) | *11 Cooling fan (Power-Box TH12/15K) |

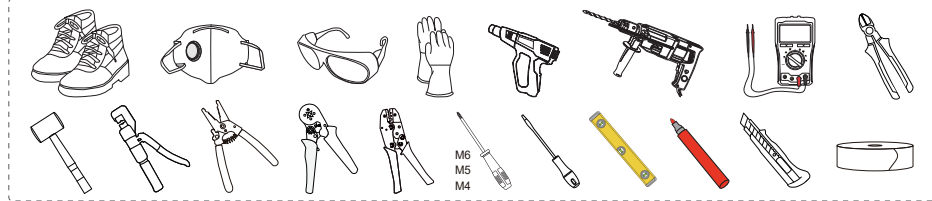
2 Installation

2.1 Unboxing

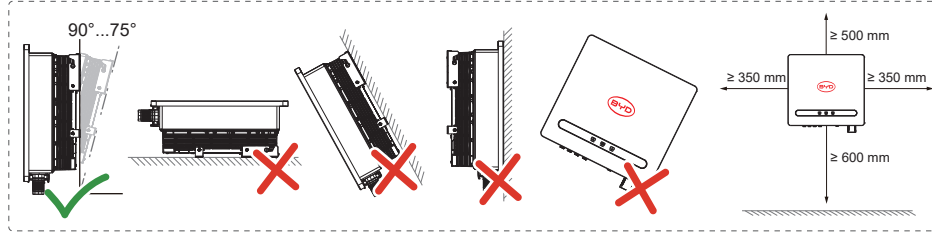


- | | |
|--|--------------------------|
| A Inverter × 1 | L L-shaped support × 2 |
| B Mounting bracket × 1 | M Expansion plug set × 4 |
| C Smart WiFi/LAN Module × 1 | N OT terminal × 1 |
| D Communication connector × 1 | O M5 × 12 screw × 4 |
| E AC connector × 1 | P M4 × 8 screw × 1 |
| F Battery connector × 1 | |
| G PV connector × 3 | |
| * 2 sets of PV terminals (Power-Box TH5/6/10K) | |
| H BMS and Meter communication cables × 1 | |
| I Smart Meter × 1 | |
| J CT × 1 | |
| K Documents × 1 | |

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

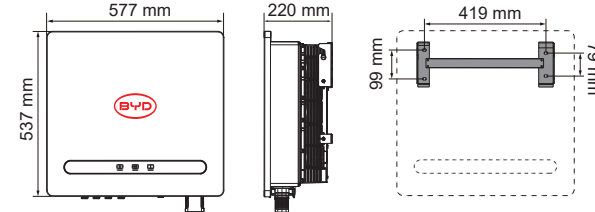


2.3 Installation requirements

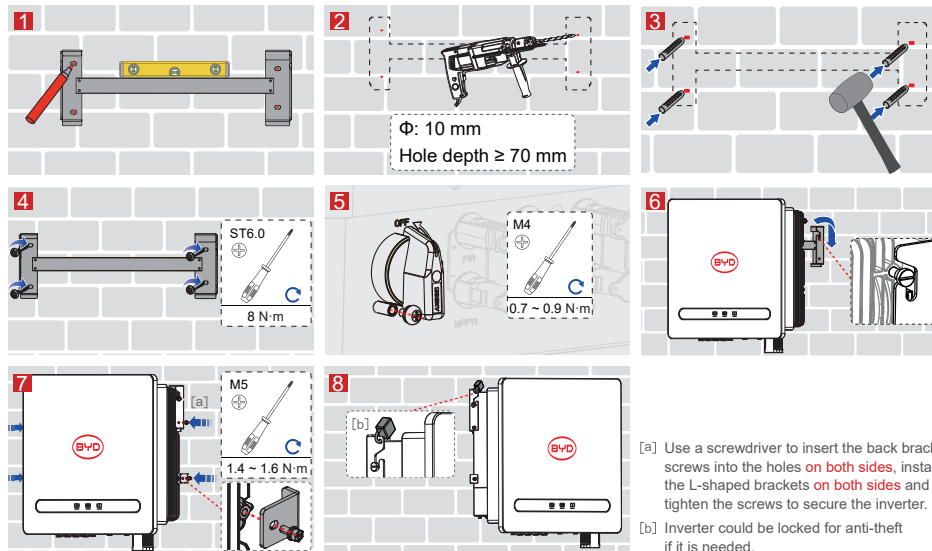


2.4 Installation

2.4.1 Mounting hole

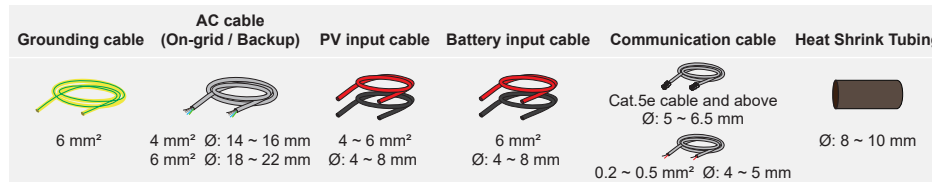


2.4.2 Install the mounting bracket

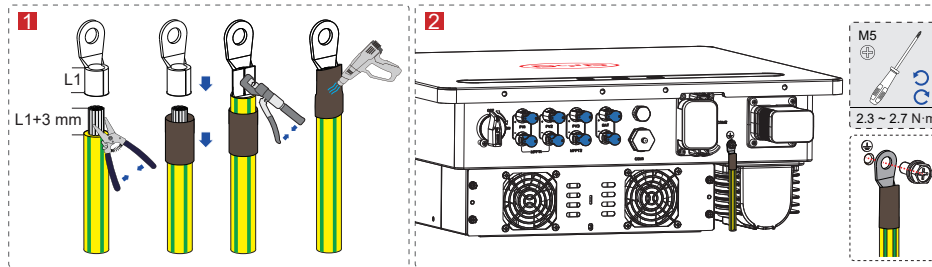


3 Electrical Connection

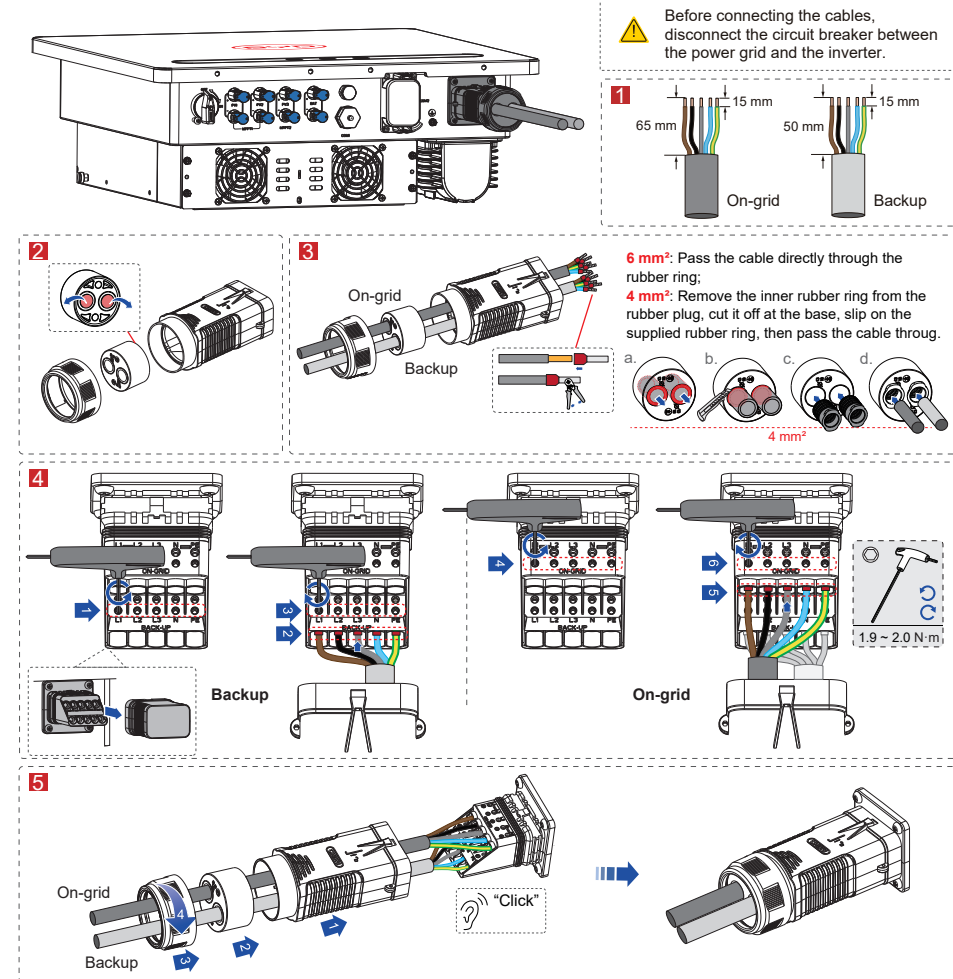
3.1 Cables description



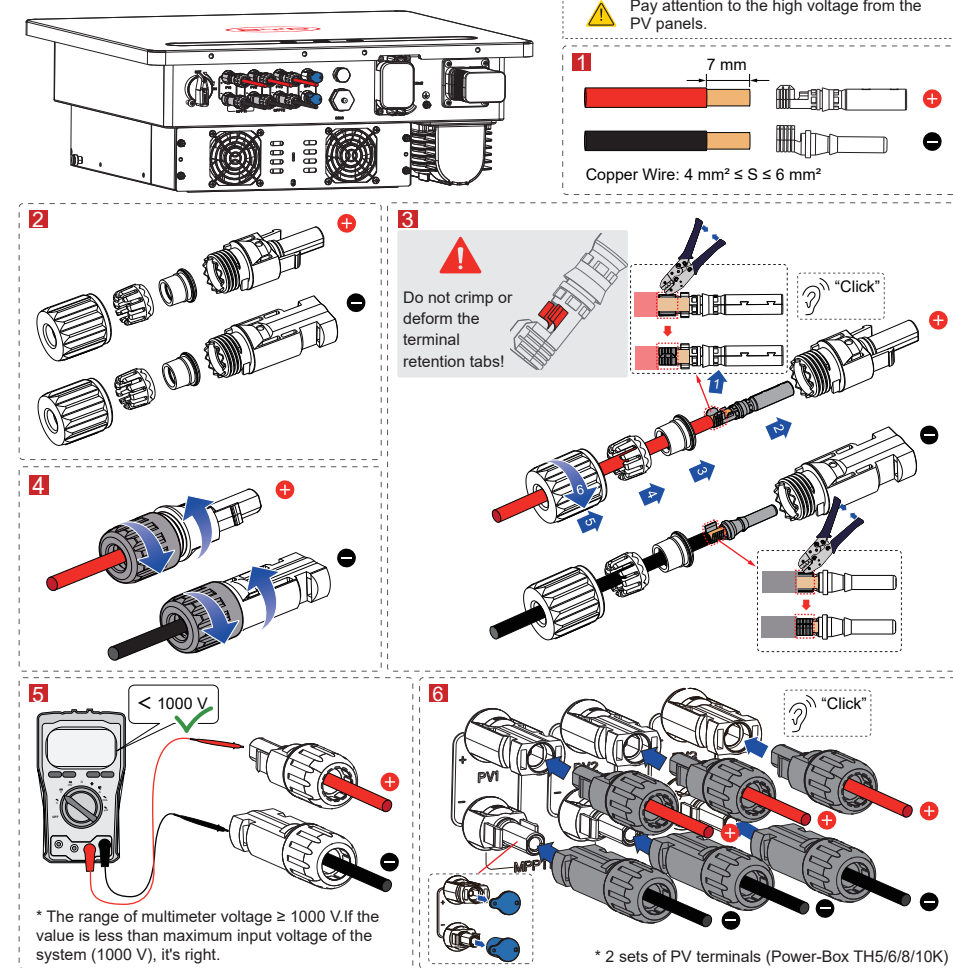
3.2 PE cable

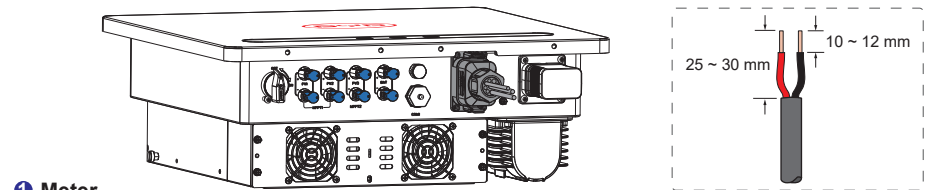


3.3 AC cable (On-grid and Backup)



3.4 PV cable





No.	Checking item	Inspection result
		Yes ✓ \ No ✕
1	Check whether the DC switch of the inverter is in the “OFF” position.	☐
2	The product is firmly installed at a clean place that is well-ventilated and easy-to-operate.	☐
3	The PE, DC input, AC output, and communication cables are connected correctly and securely.	☐
4	Cable ties are intact, routed properly and evenly.	☐
5	Unused cable holes are fitted using the waterproof nuts.	☐
6	The electrical conduit holes are sealed.	☐
7	The voltage and frequency at the connection point meet the inverter grid connection requirements.	☐
8	Check whether the Smart WiFi/LAN Module is installed correctly.	☐

Diagram illustrating the connection of the power system components:

- Battery** is connected to the **Main Switch** (A2) and the **Circuit Breaker** (B).
- The **Circuit Breaker** (B) is connected to the **Inverter**.
- The **Inverter** is connected to the **Grid Breaker** (C1), the **EPS Breaker** (C2), and the **DC Switch** (C3).
- The **Grid Breaker** (C1) is connected to the **Power** line.
- The **EPS Breaker** (C2) is connected to the **Light** bulb.
- The **DC Switch** (C3) is connected to the **DC Load**.

Switch on: B → A2 → C1 → C2 → C3

Switch off: C3 → C2 → C1 → A1 → B

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

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.

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.

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

