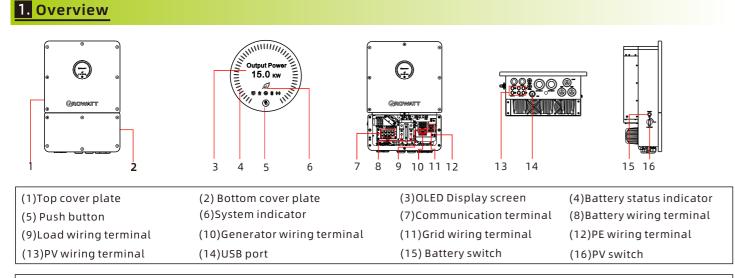
GROWATT

WIT 4-15K-HU Quick Guide



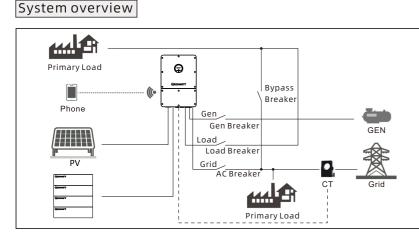
⚠ Note:

1. The content of this document is continually reviewed and amended, where necessary. Growatt reserves the right to make changes to the material at any time and without notice. Unless otherwise agreed, this document is for quick installation guidance only. All information and suggestions in this document do not constitute a warranty of any kind, express or implied. Growatt reserves all rights for final explanation.

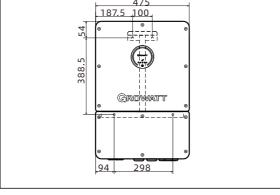
2. This document is for quick installation guidance only. For details, please refer to the User Manual.

3. Machine damage caused by failure to follow the instructions is not covered under any warranty.

2. Installation

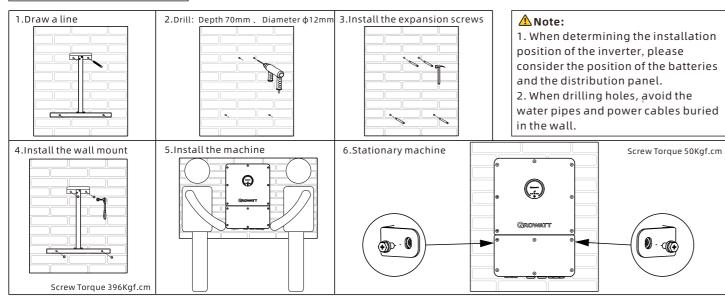


2.1 Installation requirements



unit: mm

2.2 Wall-mounted installation



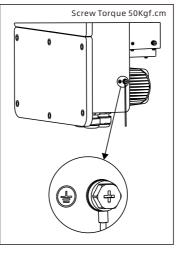
3. Connecting cables

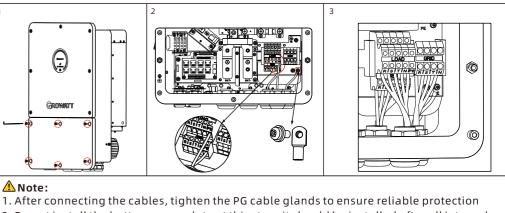
Please prepare the cables listed below before electrical connections.

| No. | Cable | Туре | Recommended specifications |
|-----|-------------------------------|--|----------------------------|
| 1 | PE cable | Multi-core copper cable (yellow-green) | 6mm² |
| 2 | Grid/Generator/Load cable | Multi-core copper cable | 10mm² |
| 3 | PV input cable | PV cable | 4mm²-6mm² |
| 4 | Battery input cable | Multi-core copper cable (orange and black) | 50mm²/120mm² |
| 5 | COM1/COM2 communication cable | Standard network cable | / |
| 6 | COM3 communication cable | Multi-core copper cable | 22AWG |
| 7 | COM4 communication cable | Multi-core copper cable | 22AWG |

3.1 Grounding

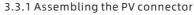
3.2 Connection of AC side

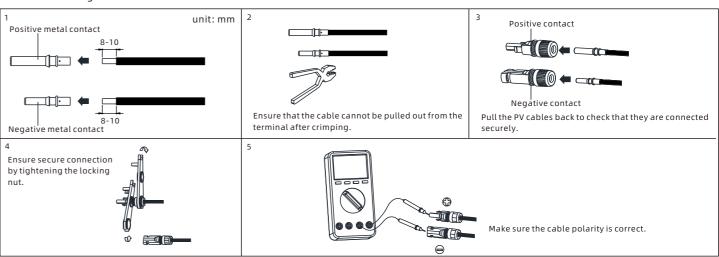




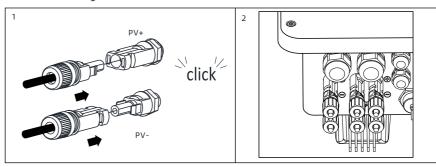
cables are connected.

3.3 Connection on the PV side





3.3.2 Connecting the PV cables



| ⚠ Note: |
|---------------------------|
| 1.Make sure all switches |
| are OFF before connecting |
| the cables. For personal |
| safety, do not operate |
| when power-on. |
| 2.If the diameter of the |
| cable does not match the |
| terminal, or the cable is |
| aluminum wire, please |
| contact our after-sales |
| personnel. |

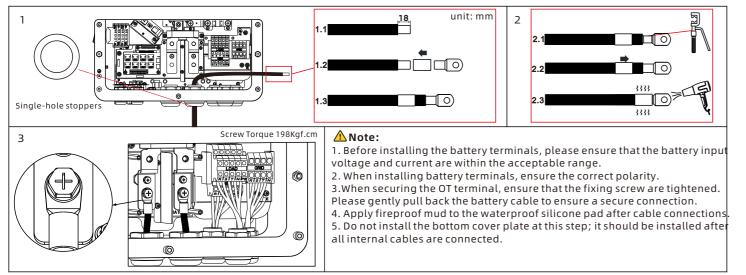
2. Do not install the bottom cover plate at this step; it should be installed after all internal

\Lambda Note:

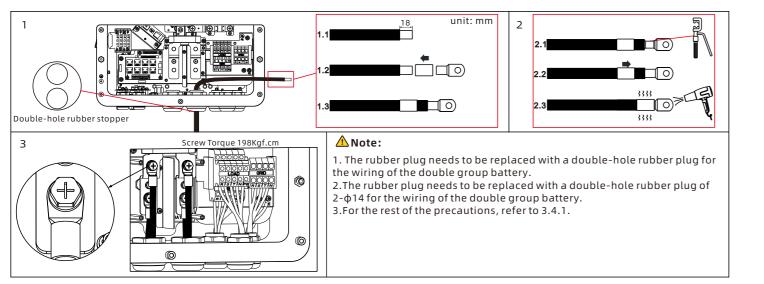
1.Before installing the PV terminals, please confirm that the PV input voltage and current do not exceed the MPPT limits. 2.When installing the PV terminals, identify the positive and negative terminals and connect them to the inverter respectively following the color convention 3.A "click" sound will be heard when the terminal is connected. Please gently pull the PV cable back to make sure it is securely connected. 4. For export limitation, you are advised to connect the current transformer to the inverter.

3.4Connection on the battery side

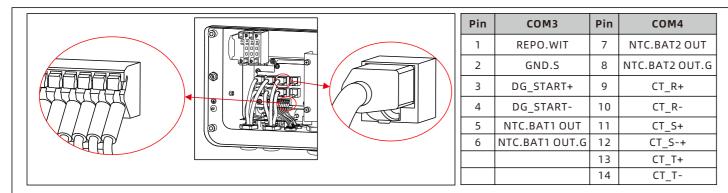
Select 3.4.1 or 3.4.2 based on requirements 3.4.1 Single-pack battery wiring



3.4.2 Dual-set battery wiring

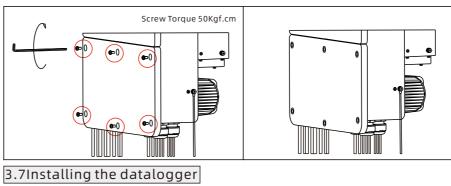


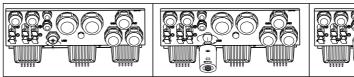
3.5 Installing the communication cable



| | Communication port description | | | | | | | |
|-----|--------------------------------|-------------|----------|----------|----------|--------|------------|-----------|
| Pin | BMS1 | BMS2 | RS485_1 | RS485_2 | METER | DI | PARA-IN | PARA-OUT |
| 1 | BAT RS485_B | BAT RS485_B | RS485_1B | RS485_1B | RS485_2B | DRM1/5 | \ | \ |
| 2 | BAT RS485_A | BAT RS485_A | GND.S | GND.S | GND.S | DRM1/6 | GND.S | GND.S |
| 3 | BAT1 DI_1 | BAT2 DI_1 | ١ | \ | \ | DRM1/7 | Sc_A/H | Sc_A/H |
| 4 | BAT1 CAN_H | BAT2 CAN_H | Rs485_1B | Rs485_1B | \ | DRM1/8 | PL_CANH | PL_CANH |
| 5 | BAT1 CAN_L | BAT2 CAN_L | Rs485_1A | Rs485_1A | RS485_2A | REF | PL_CANL | PL_CANL |
| 6 | BAT1 DI_2 | BAT2 DI_2 | / | \ | \ | СОМ | Sc_B/L | Sc_B/L |
| 7 | BAT1 WAKE- | BAT1 WAKE- | RS485_3B | RS485_3B | \ | / | GND.S | Slave_CAN |
| 8 | BAT1 WAKE+ | BAT1 WAKE+ | RS485_3A | RS485_3A | \ | / | Master_CAN | GND.S |

3.6 Fixed lower cover plate





4. Post-installation check

| Number | Checking item | Number | Checking item |
|--------|--|--------|--|
| 1 | The hybrid inverter is installed correctly and reliably. | 2 | Ground cables are connected securely. |
| 3 | All switches are in the OFF position. | 4 | All cables are connected correctly and securely. |
| 5 | The lower cover is secured. | 6 | All the unused connectors are sealed. |
| 7 | Put away the unused accessories. | 8 | The installation position is clean and tidy. |

5. Powering on/off the inverter

🗥 Note:

Before power-on, please make sure all components remain within their permitted operating ranges. Otherwise it will cause damage to the hybrid inverter.

Perform the following steps to power on the system:

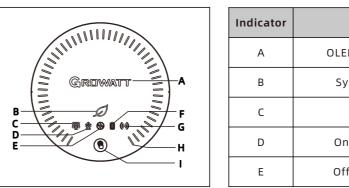
1.Ensure that there is no voltage on the PV side, then turn on the DC switches.

2. Turn on the breaker between the grid and the inverter.

3. Turn on the breaker between the battery and the inverter, then turn on the switch on the battery. Wait for 30 seconds, then turn on the battery switch on the inverter.

4. The system will be powered on automatically when all the requirements are met. To shut down the system, you need to send a shutdown command on the APP or website. Wait until the system is completely powered off, then turn off the switches in reverse order.

6. Description of the display panel



7. Service and contact

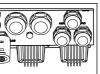
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Upon completion of all cable connections, install the bottom cover plate as shown ,and make sure the protection is reliable.



Follow the installation steps: 1.Remove the waterproof cover from the USB port. 2.Plug in the datalogger. 3.Secure the datalogger.

| Function | Indicator | Function |
|------------------|-----------|------------------------------|
| D display screen | F | Battery connection indicator |
| ystem indicator | G | Communication/GEN indicator |
| PV indicator | Н | Battery status indicator |
| n-grid indicator | I | Push button |
| f-grid indicator | | |



