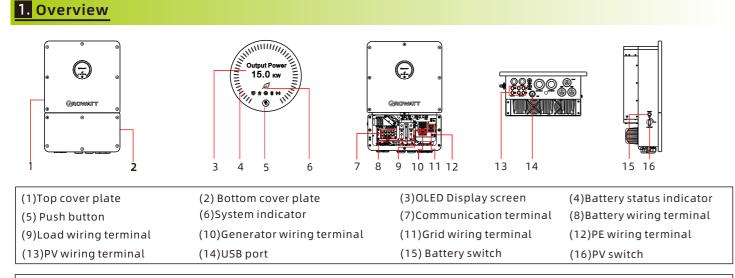
GROWATT

WIT 4-15K-HU Quick Guide



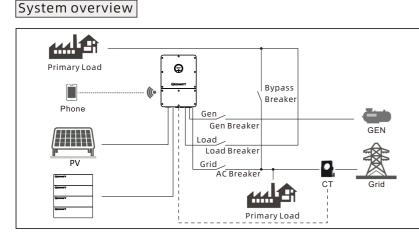
⚠ Note:

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.

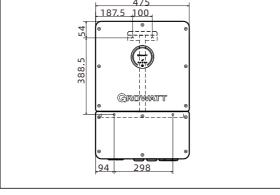
2. This document is for quick installation guidance only. For details, please refer to the User Manual.

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

2. Installation

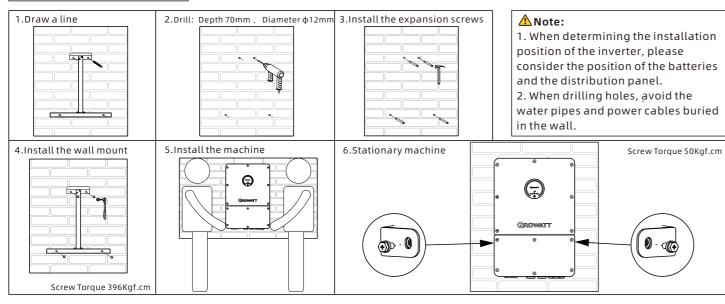


2.1 Installation requirements



unit: mm

2.2 Wall-mounted installation



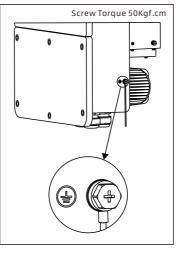
3. Connecting cables

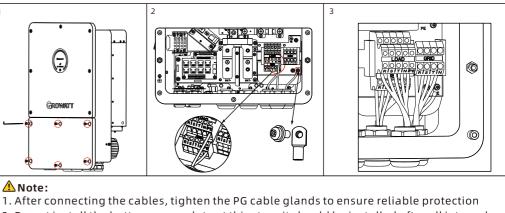
Please prepare the cables listed below before electrical connections.

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

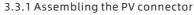
3.2 Connection of AC side

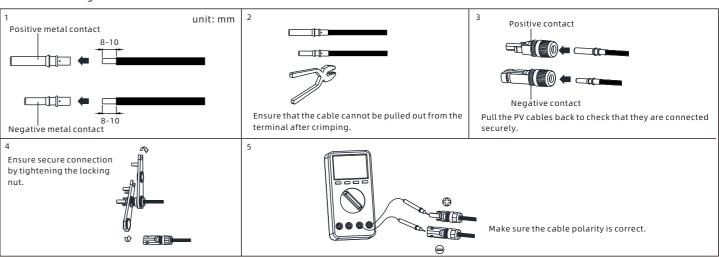




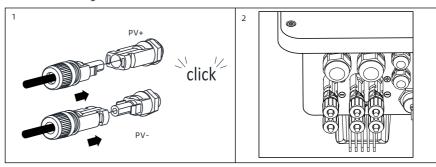
cables are connected.

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.

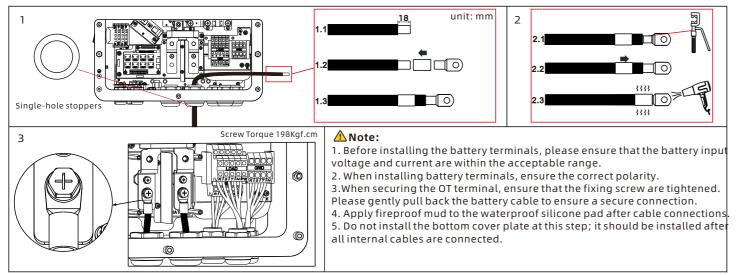
2. Do not install the bottom cover plate at this step; it should be installed after all internal

\Lambda Note:

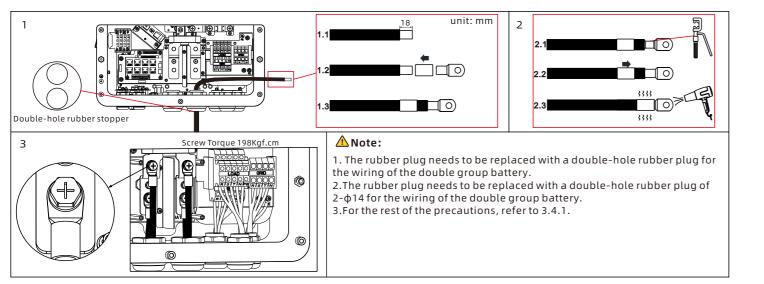
1.Before installing the PV terminals, please confirm that the PV input voltage and current do not exceed the MPPT limits. 2.When installing the PV terminals, identify the positive and negative terminals and connect them to the inverter respectively following the color convention 3.A "click" sound will 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

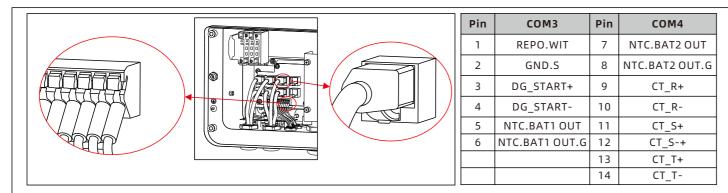
Select 3.4.1 or 3.4.2 based on requirements 3.4.1 Single-pack battery wiring



3.4.2 Dual-set battery wiring

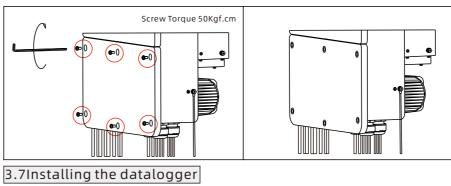


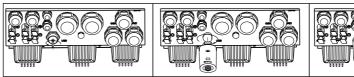
3.5 Installing the communication cable



	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:

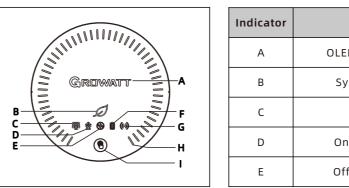
1.Ensure that there is no voltage on the PV side, then turn on the DC switches.

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

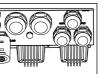
Shenzhen Growatt New Energy Co., Ltd

4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Blvd, Bao'an District, Shenzhen, China

- **T** +86 755 2747 1942
- E service@ginverter.com
- W en.growatt.com



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		



