GROWATT

SPA 4000-10000TL3 BH-UP Quick Guide

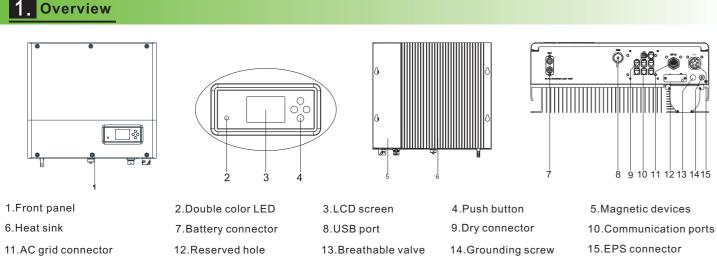
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\Lambda Note:

be dangerous.

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Be careful : Avoid water and electricity pipes when punching holes in the wall, otherwise it may



A Note :

1. Only three-phase meter supports current direction detection. 2. Function introduction of communication ports(11) in the follow.

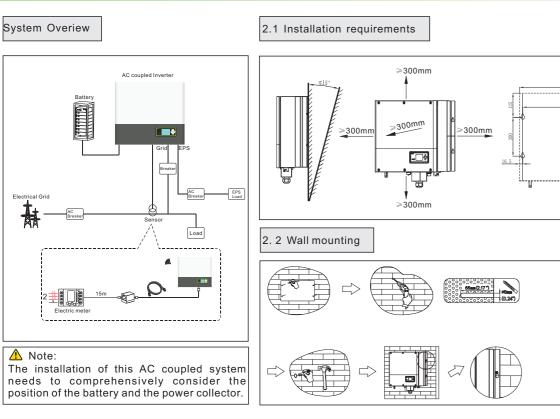
A Note:

1. This file will be updated from time to time due to product upgrades or other reasons. Unless otherwise agreed, this document is intended as a guide only. All information and suggestions do not constitute an express or implied warranty. The final interpretation of the content is at Growatt.

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

3. Machine damage caused by failure to follow the content is not covered by the warranty.

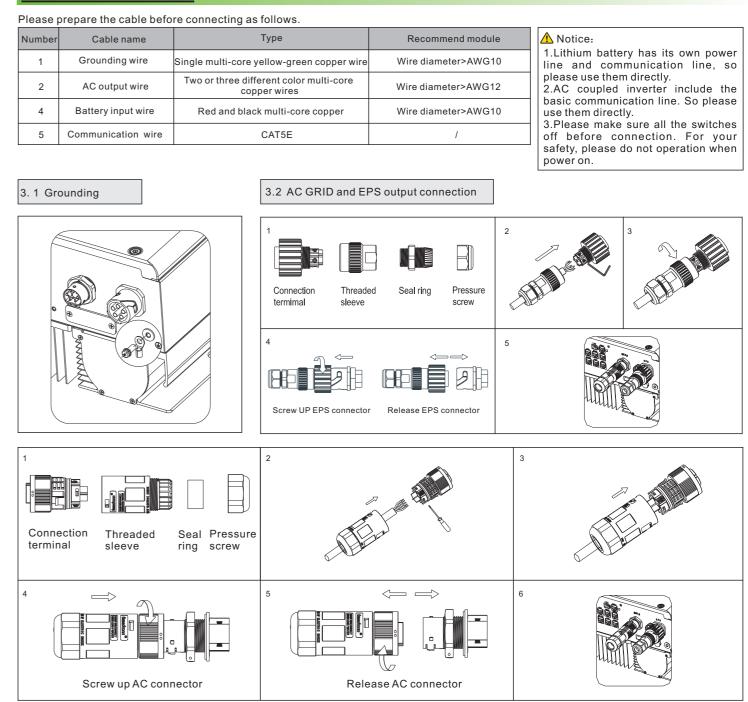
2. Installation



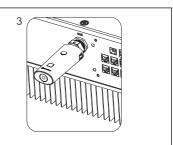
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3. Connecting cables

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Number	Cable name	Туре		
1	Grounding wire	Single multi-core yellow-green copper wire		
2	AC output wire	Two or three different color multi-core copper wires		
4	Battery input wire	Red and black multi-core copper		
5	Communication wire	CAT5E		
5	Communication wire	CAT5E		



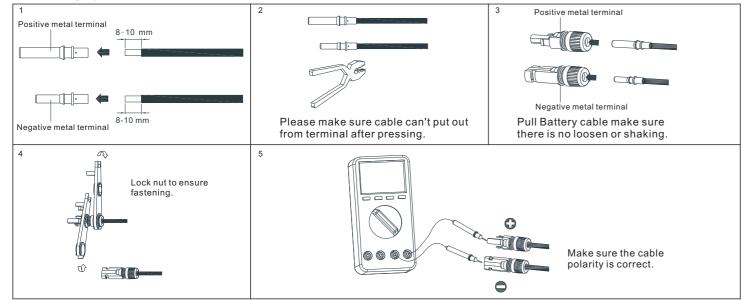
2.3 communication module installation



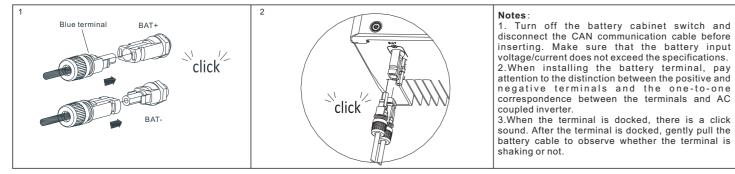
Follow steps:	the	installation			
1.Remove the USB					
waterproof cover. 2.Plug in the communica-					
tion mod	dule.				

3.3 DC connection

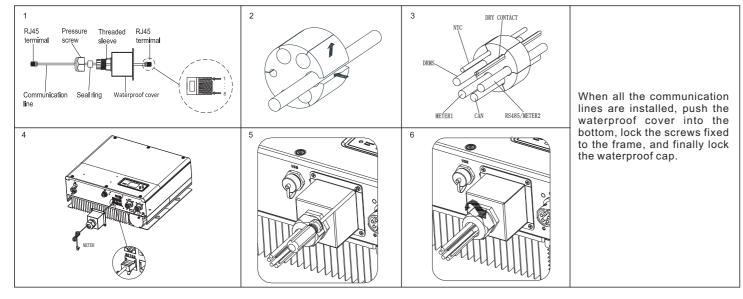
3.3.1 Battery input terminal installation



3.3.2 Plug in Battery terminal



3.3.3 Communication cables installation



4. Post-installation check

Number	Acceptance Criteria	Number	Acceptance Criteria	
1	AC coupled inverter is installed correctly and firmly	2	ShineWiFi-X or Shinelink or GPRS is installed correctly and firmly.	
3	Cable wiring is reasonable, meets the requirements, no broken skin, etc.	4	The ground wire confirms the connection and is reliable.	
5	All switches off	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.			

5. On off AC coupled inverter

▲ Notes:

Before power on, please make sure all of the voltage and current are in the range of specification of AC coupled inverter. Otherwise it will be damage to AC coupled inverter. Follow are the steps of turn on actions:

- 1. Turn on the switch between Grid and AC coupled inverter.
- 2. Turn on battery and the switch between battery and AC coupled inverter.

3.Turn on Battery switch.

4.If need to setup AC coupled inverter. Please turn to user manual of AC coupled inverter for detail description.

5.The shutdown steps are opposite to the above order. 6.The AC coupled has an installation diagnosis

function, please run "DiagnoseFun" after the installation is completed.

Definition of RJ45 Port Pin

No.	CAN	METER	COM	DRMS	NTC	485-1/485-
1	/	RS485B	DRY+	DRM1/5	GND	RS485B
2	/	GND	/	DRM2/6	GND	GND
3	/	/	DRY-	DRM3/7	GND	/
4	CANH	/	/	DRM4/8	GND	RS485B
5	CANL	RS485A	/	REF	NTC	RS485A
6	GND	/	/	COM	NTC	/
7	/	/	/	/	NTC	RS485A
8	WAKEUP	/	/	/	/	RS485B

8. Service and contact

Shenzhen Growatt New Energy Co., Ltd

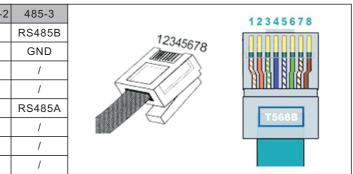
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6. Status of AC coupled inverter

Customer can read more information by push button. Follow are the instruction of button and LED.

Mark	Description	Explanation		
	Push-button	Operation of display screen and set system		
		Green light on	SPH run normally	
	Status symbol of SPA	Red light on	Fault state	
Normal Fault		Green light	Alarm state	
rauit		blinking		
		Red light	Software	
		blinking	updating	





Download Manual

