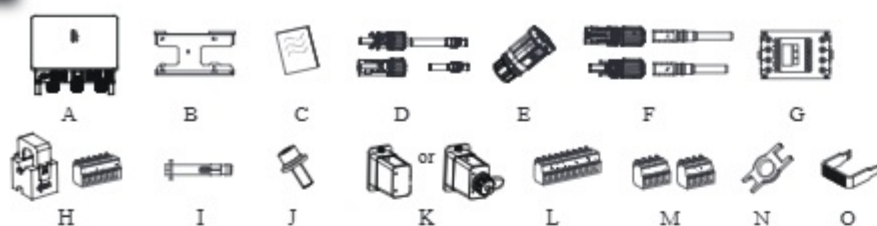


QUICK INSTALLATION GUIDE

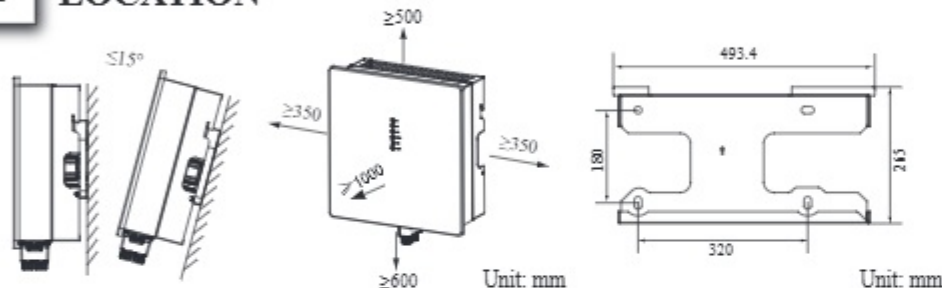
Three-phase ESS Inverter 5K/6K/8K/10K

1 PACKING LIST



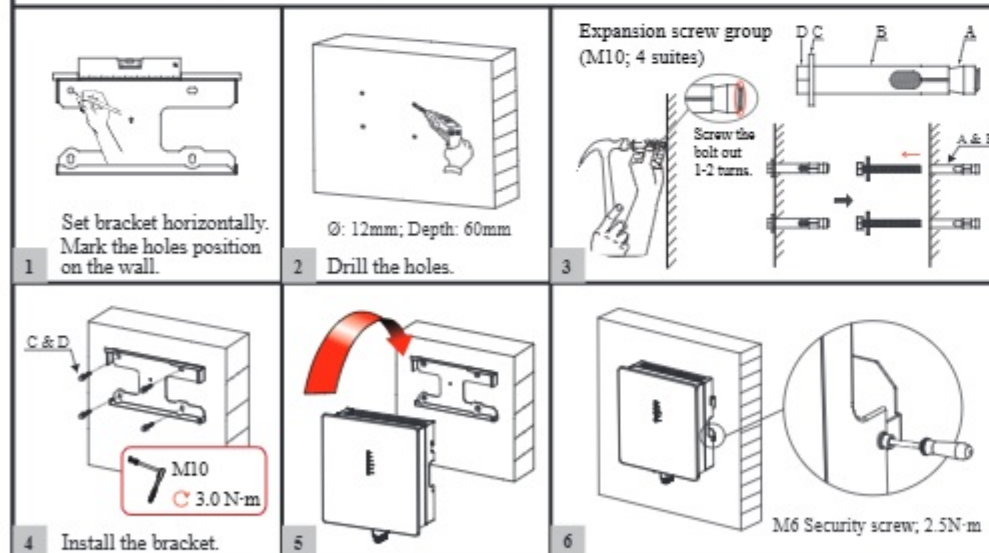
A Inverter	H CT pack (3pcs CT+1pcs 6-Pin terminal)
B Mounting bracket	I M10 Expansion screws
C File package	J M6 Security screw
D PV terminal connector group (PV+/PV-)	K WIFI/LAN module (optional)
E GRID/BACKUP connector	L 9-Pin terminal
F Battery terminal connector group (BAT+/BAT-)	M 4-Pin terminal
G Meter (optional)	N Removal tool for PV/battery connector
	O Removal tool for GRID/BACKUP connector

2 LOCATION



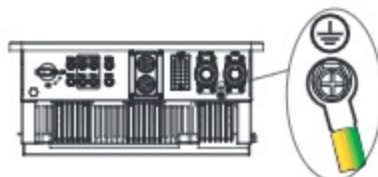
3 INSTALLATION

1. The walls must be fireproof and non-flammable materials, otherwise there is a fire risk.
2. Before drilling holes, check whether there are electric power pipes or other pipes buried in the walls to avoid risks.



4 GROUNDING

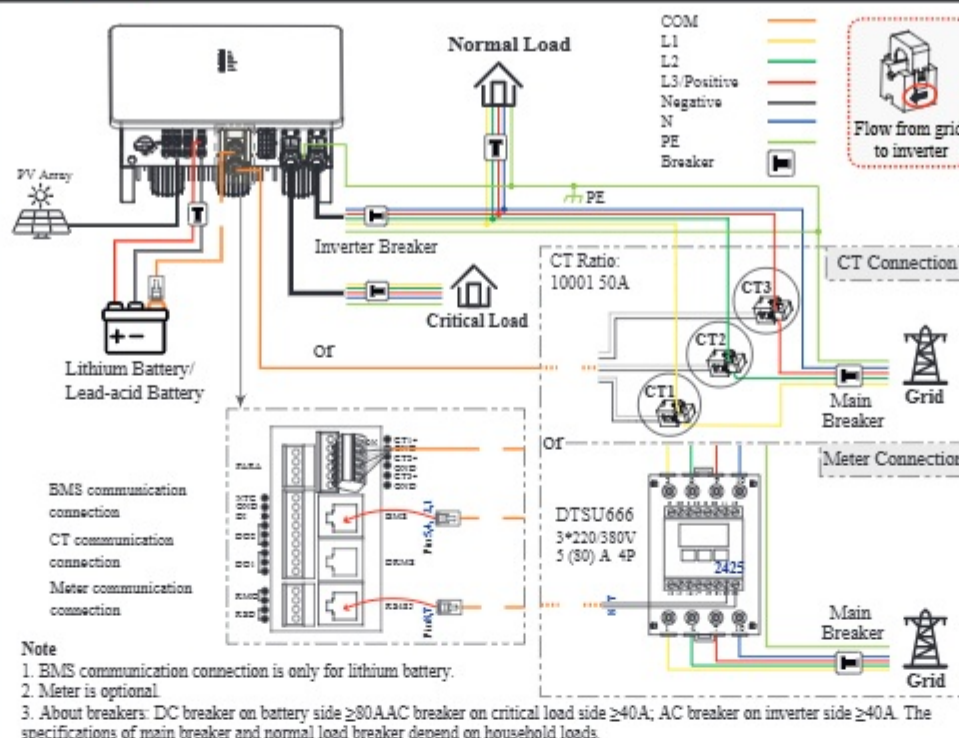
1. Ensure that inverter and all cables to be installed are completely powered off during whole installation and connection. Otherwise, fatal injury can occur due to the high voltage.



Items	Remark
Screw	M4 × 12mm; 1.2 N·m
OT Terminal	OT6-4
Yellow green lines	S (Yellow green lines) ≥ S (PE line of AC cable) S is the cross-sectional area.

5 WIRING SYSTEM Non-parallel connection mode

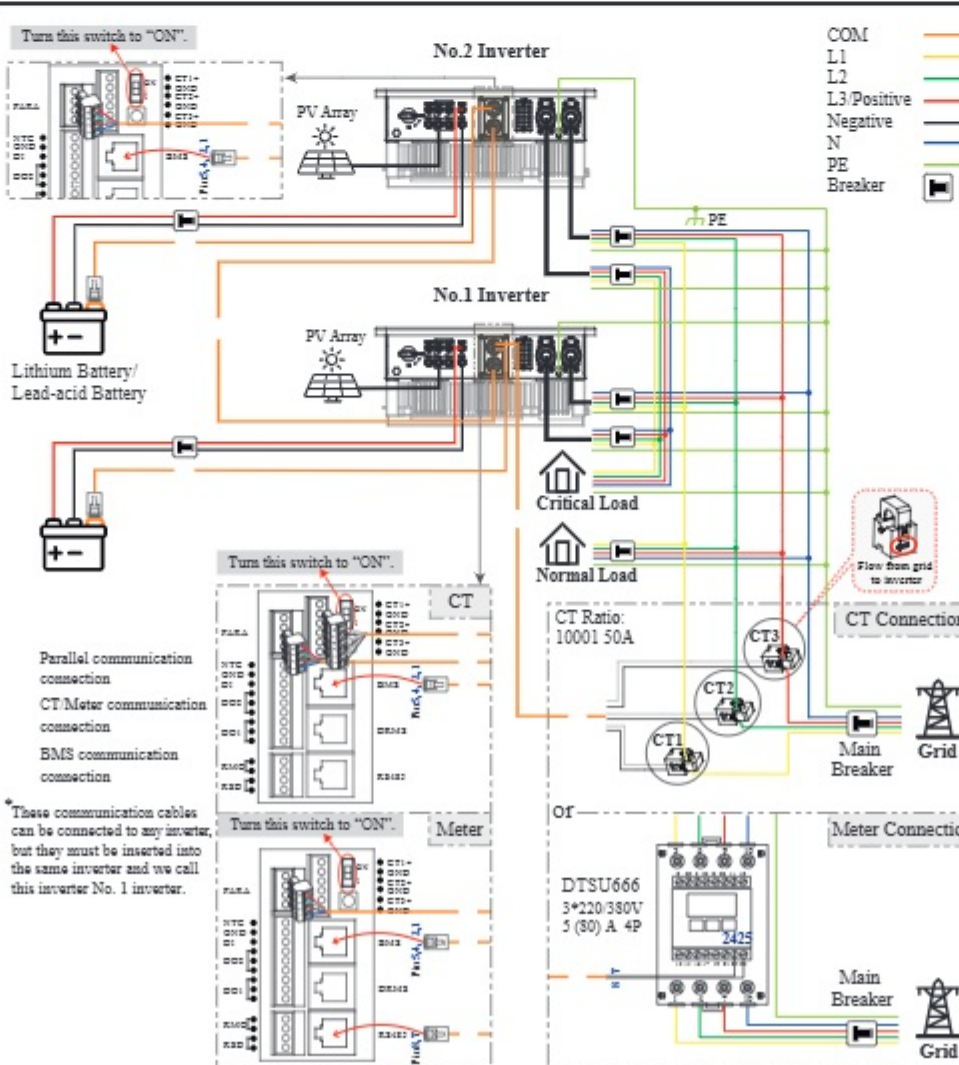
1. Ensure that the inverter and all cables to be installed have been completely powered off during the whole process of installation and connection. Otherwise, high voltage may result in fatal injury.



Note
1. BMS communication connection is only for lithium battery.
2. Meter is optional.
3. About breakers: DC breaker on battery side ≥80AAC breaker on critical load side ≥40A; AC breaker on inverter side ≥40A. The specifications of main breaker and normal load breaker depend on household loads.

6 WIRING SYSTEM Parallel connection mode - Scheme A (N=2)

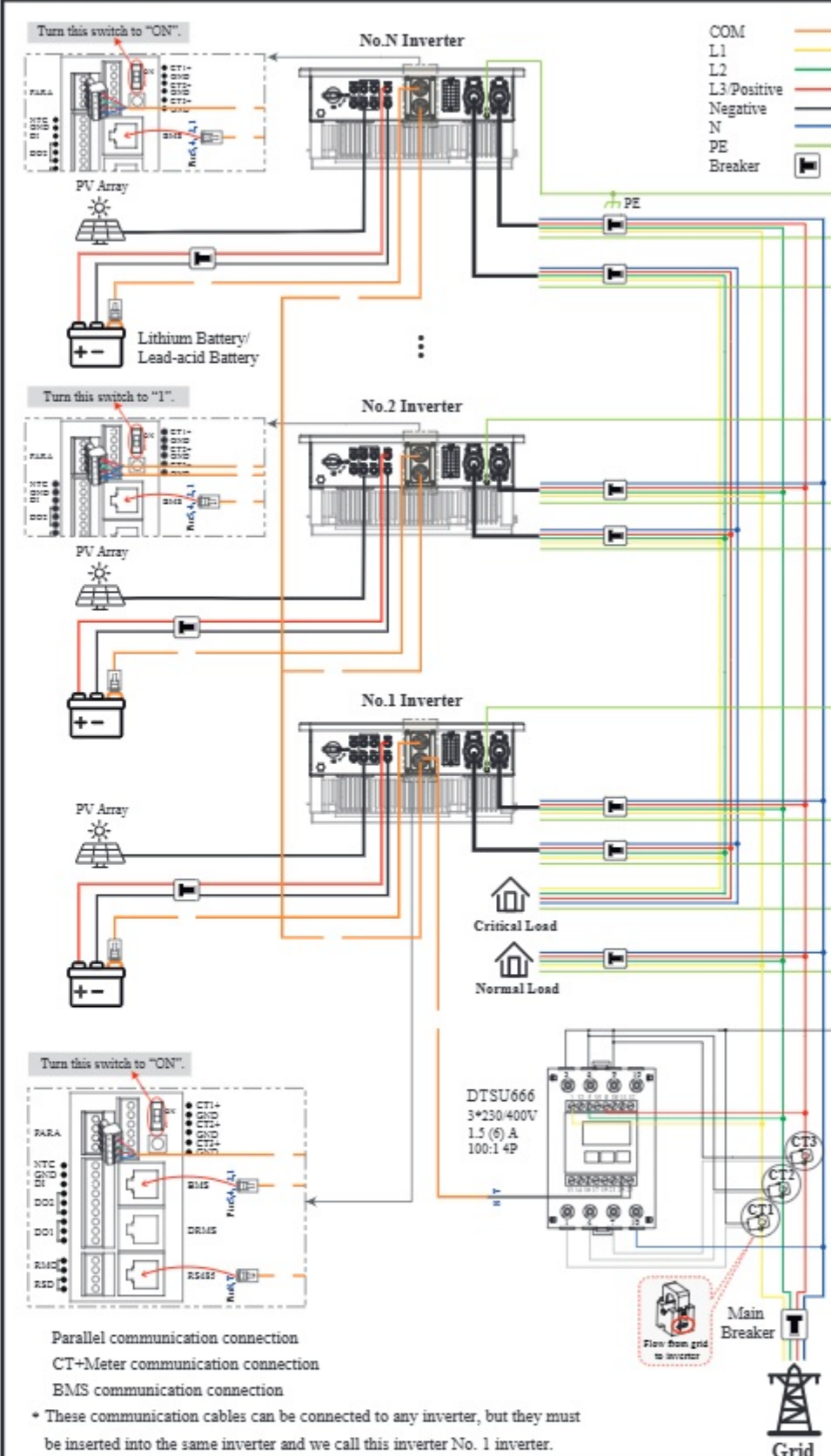
1. Ensure that the inverter and all cables to be installed have been completely powered off during the whole process of installation and connection. Otherwise, high voltage may result in fatal injury.



*These communication cables can be connected to any inverter, but they must be inserted into the same inverter and we call this inverter No. 1 inverter.

7 WIRING SYSTEM Parallel connection mode - Scheme B (2 ≤ N ≤ 9)

1. Ensure that the inverter and all cables to be installed have been completely powered off during the whole process of installation and connection. Otherwise, high voltage may result in fatal injury.

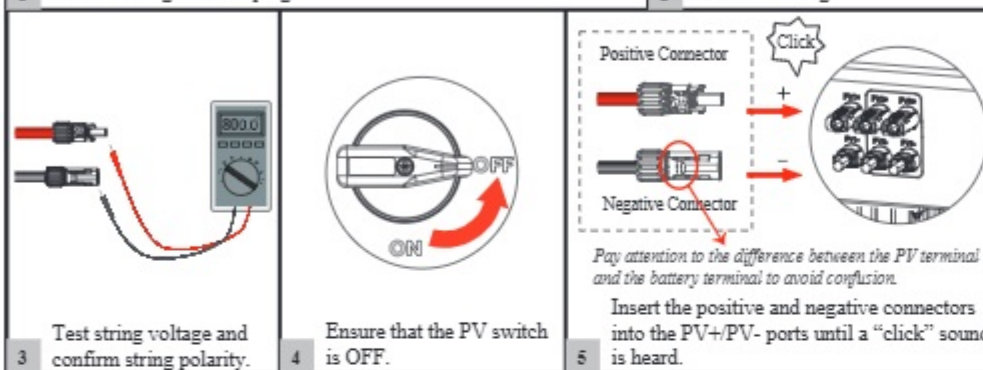
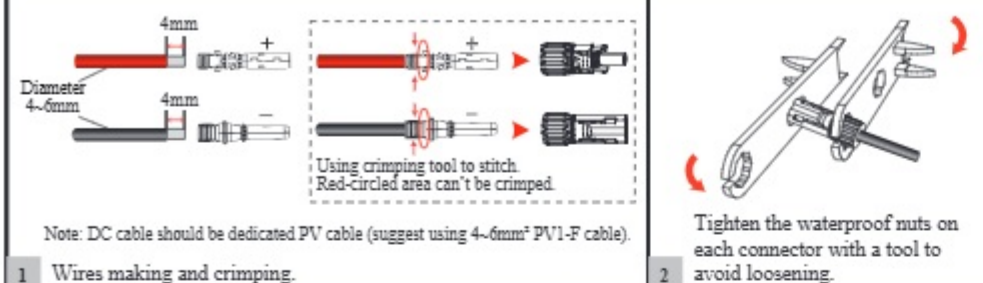


Note for parallel connection modes — Scheme A and B

1. BMS communication connection is only for lithium battery.
2. It is necessary to turn the matched resistance switch of No. 1 inverter and No. N inverter to "ON" and turn others to "1" in parallel connection mode. (Only for Scheme B)
3. With parallel connection mode, it is necessary to connect APP to one of inverters and then go to [Console > Hybrid Setting > Other > Parallel mode](#) page to enable **Parallel mode** on APP. Setting/modifying the parameter requires logging into an administrator account.
4. About breakers: DC breaker on battery side ≥80AAC breaker on critical load side ≥40A AC breaker on inverter side ≥40A. The specifications of main breaker and normal load breaker depend on household loads.

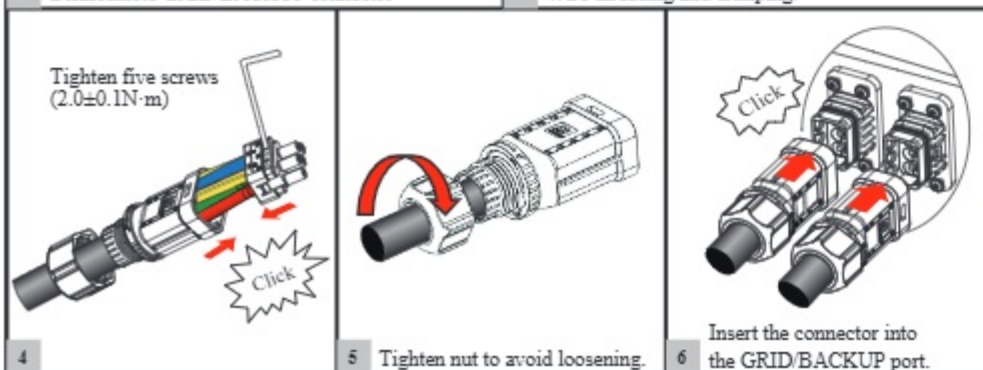
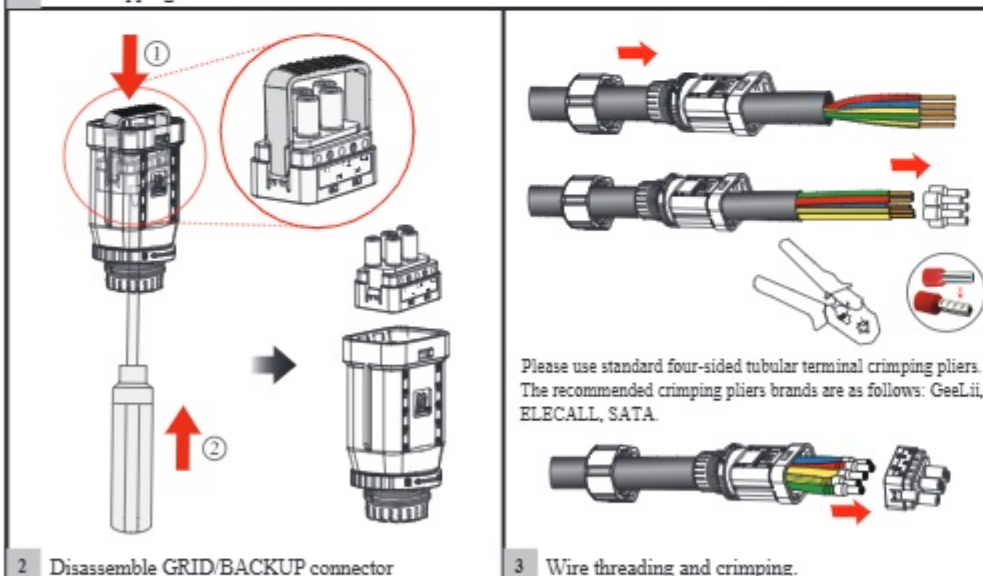
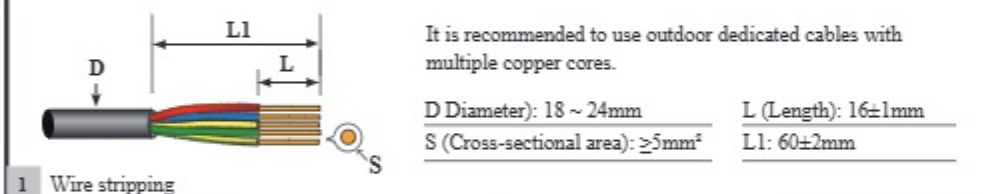
8 PV CONNECTION

1. Photovoltaic arrays exposed to sunlight will generate dangerous voltages!
2. Before connecting the PV terminal, ensure that both the AC terminal and the DC terminal are powered off and the PV switch is OFF. Otherwise there is a risk of high voltage shock.



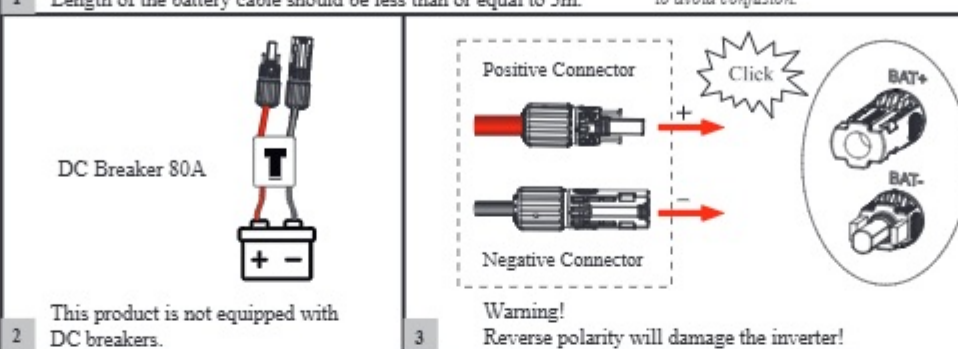
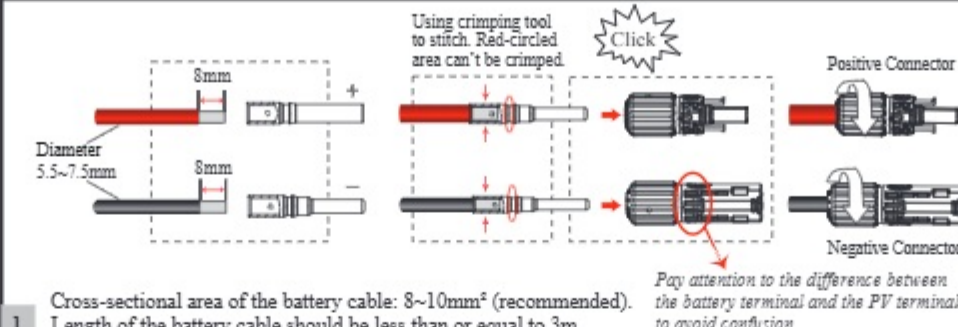
9 GRID/BACKUP CONNECTION

- Before connecting the GRID/BACKUP connector, ensure that both the AC terminal and the DC terminal are powered off and the PV switch is OFF. Otherwise there is a risk of high voltage shock.

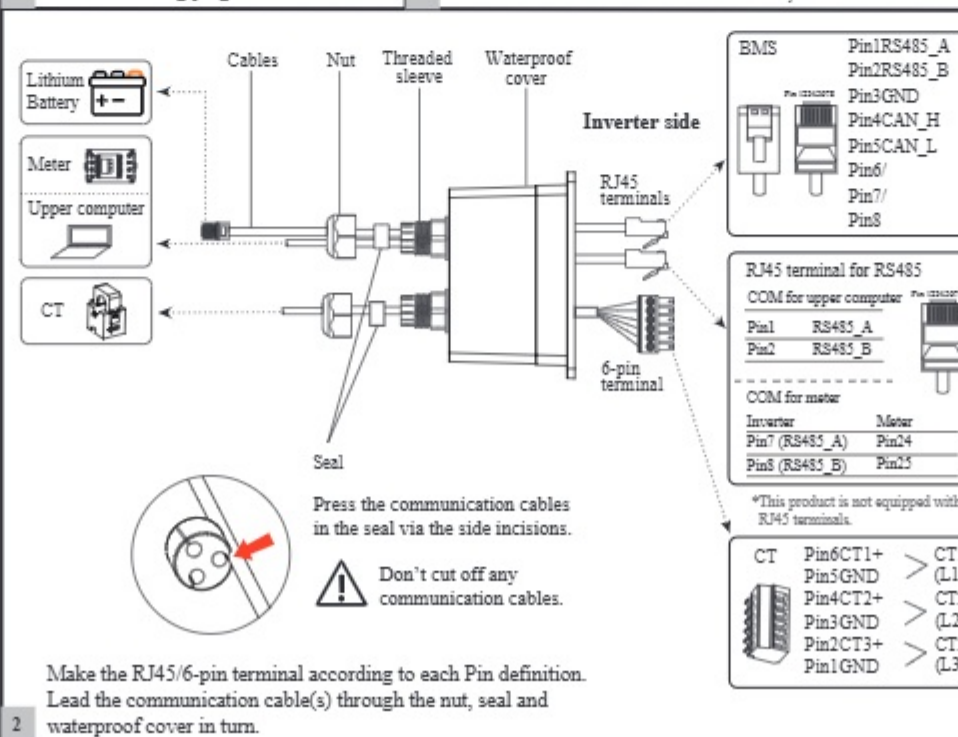
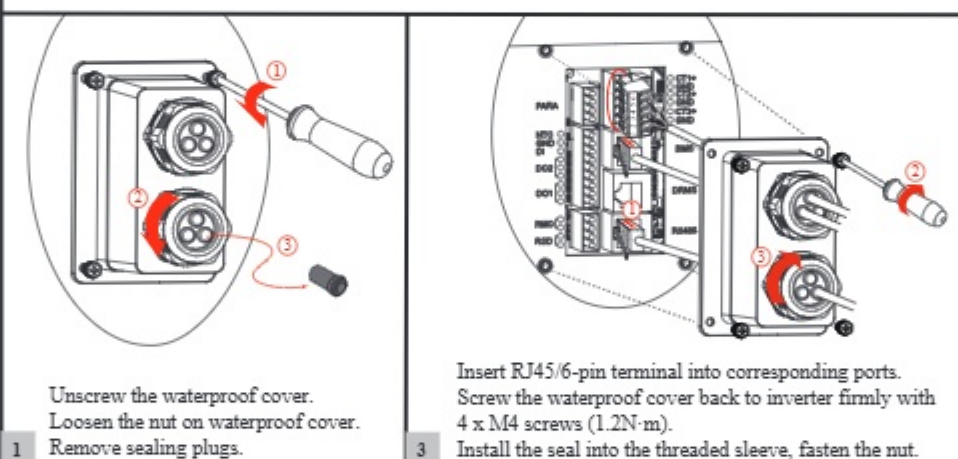


10 BATTERY CONNECTION

- Before connecting the battery terminal, ensure that both the AC terminal and the DC terminal are powered off and the PV switch is OFF. Otherwise there is a risk of high voltage shock.

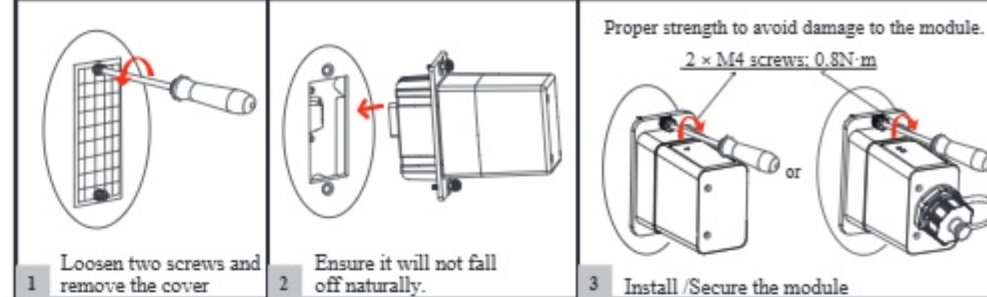


11 COMMUNICATION CABLE(S) CONNECTION (BMS/CT/RS485)



12 WIFI/LAN MODULE INSTALLATION(OPTIONAL)

For details, please refer to the corresponding Module Installation Guide in the pack. The appearance of the actual modules may be slightly different. The figures shown here are only for reference.

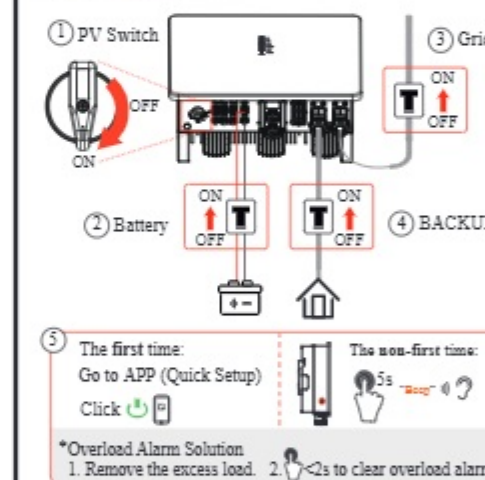


13 STARTUP/SHUTDOWN PROCEDURE

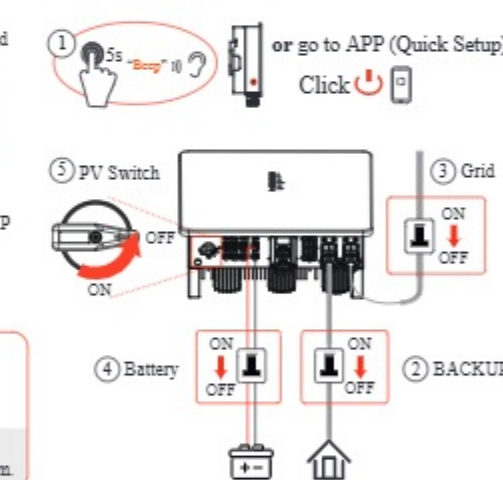
Inspection

- | No. | Items |
|-----|---|
| 1 | The inverter is firmly installed. |
| 2 | There is enough heat dissipation space, no external objects or parts left on the inverter. |
| 3 | It is convenient for operation and maintenance. |
| 4 | The wiring of the system is correct and firm. |
| 5 | Check whether the DC and AC connections are correct with a multimeter, and ensure there is no short circuit, break, or wrong connection. |
| 6 | Check whether the waterproof nuts of each part are tightened. |
| 7 | The vacant ports have been sealed. All gaps at the cable inlet and outlet holes have been plugged with fireproof/waterproof materials, such as fireproof mud. |
| 8 | All safety labels and warning labels on the inverter are complete and without occlusion or alteration. |

Startup Procedure



Shutdown Procedure



After the inverter is powered off, the remaining electricity and heat may still cause electric shock and body burns. If need to disconnect the inverter cables, please wait at least 10 minutes before touching these parts of inverter.

14 DISPLAY

LED	Status	Description	LED	Status	Description
PV	On	PV input is normal.	BACKUP	On	BACKUP power is available.
	Blink	PV input is abnormal.		Blink	BACKUP output is abnormal.
BAT	Off	PV is unavailable.		Off	BACKUP power is unavailable.
GRID	On	Battery is charging.	COM	Blink	Data are communicating.
	Blink	Battery is discharging.		Off	No data transmission
BACKUP	Off	Battery is abnormal.		On	Fault has occurred and inverter shuts down.
	Off	Battery is unavailable.		Blink	Alarms have occurred but inverter doesn't shut down.
COM	On	GRID is available and normal.	ALARM	Off	No fault.
	Blink	GRID is abnormal.			
ALARM	Off	GRID is unavailable.			