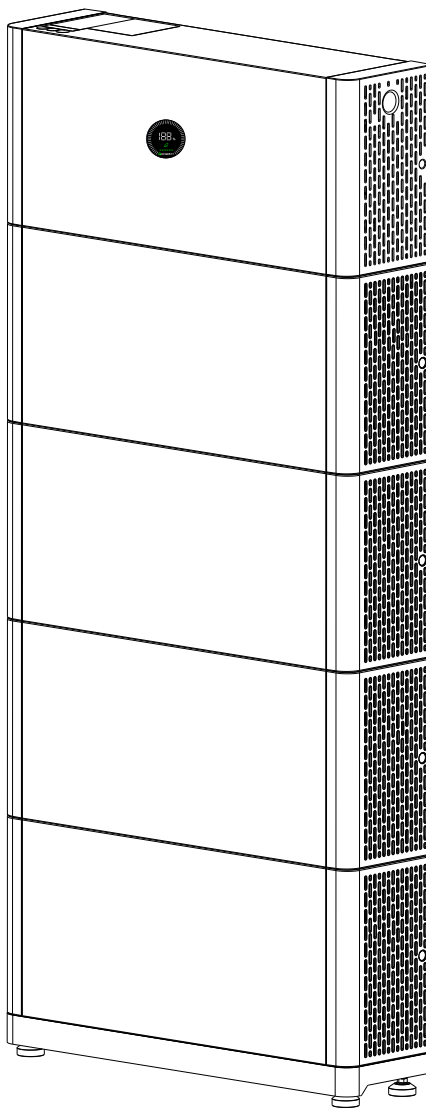


Quick Installation Manual
APX 5.0~30.0P-S2



Environmental conditions



Max.+50°C

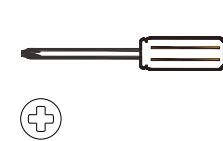
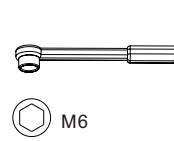
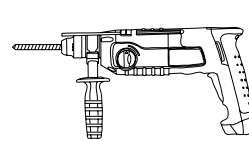


Min.-10°C

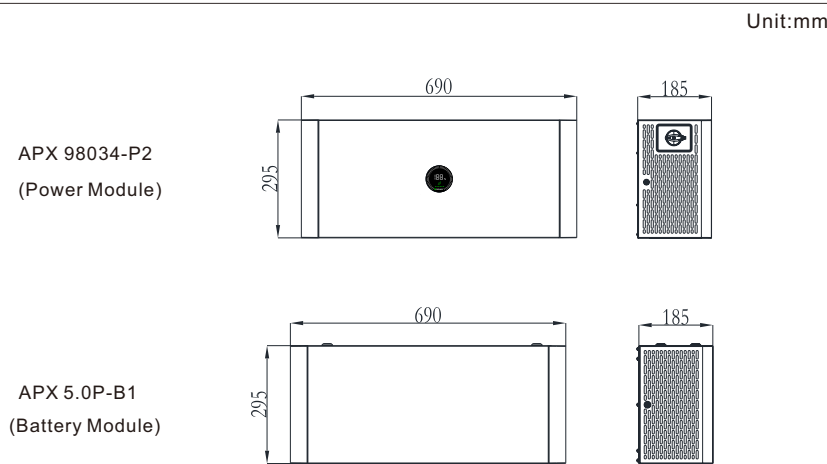


RH.+5%~+95%

Installation tools



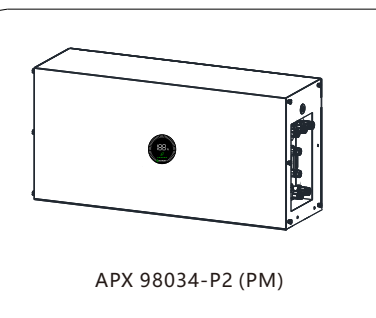
System size



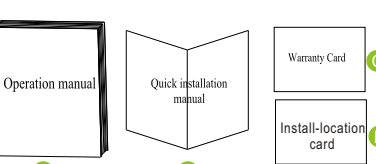
1.Check

1-1 Check APX 98034-P2 List

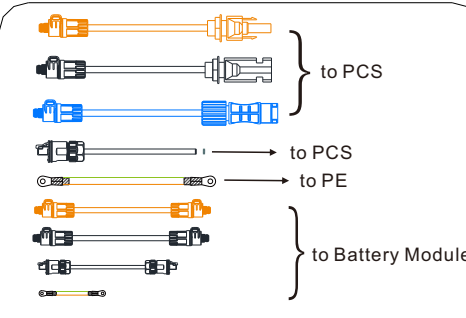
Please note the following accessories



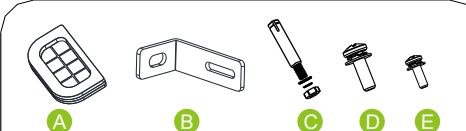
APX 98034-P2 (PM)



- A Operation Manual *1
- B Quick installation manual *1
- C Warranty Card *1
- D Install-location card

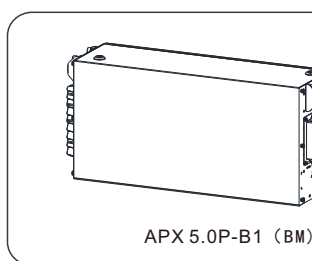


System cable

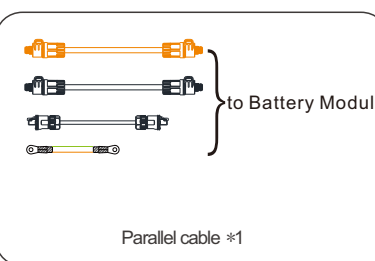


- A Protective rubber ring *4
- B Anti-tipping plate *2
- C M6 explosive screw *2
- D M6x12 stainless steel screws *1
- E M4x9 stainless steel screws *3

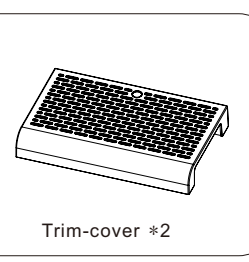
1-2 Check APX 5.0P-B1 List



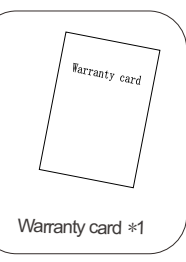
APX 5.0P-B1 (BM)



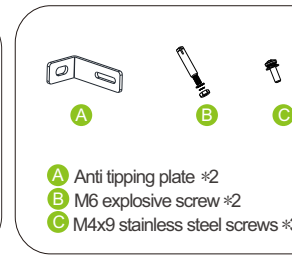
Parallel cable *1



Trim-cover *2

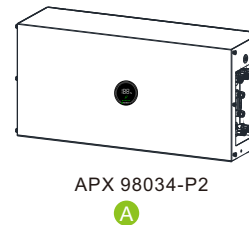


Warranty card *1

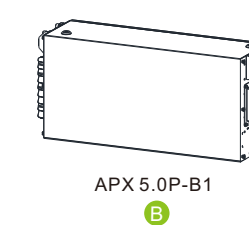


- A Anti tipping plate *2
- B M6 explosive screw *2
- C M4x9 stainless steel screws *3

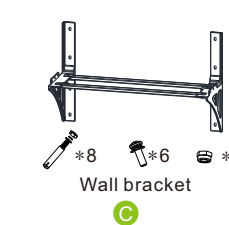
1-3 Check accessories



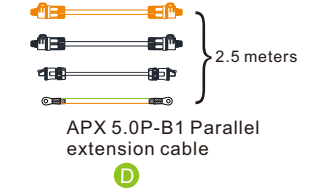
APX 98034-P2



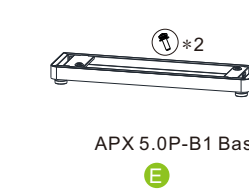
APX 5.0P-B1



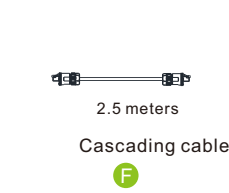
Wall bracket



APX 5.0P-B1 Parallel extension cable



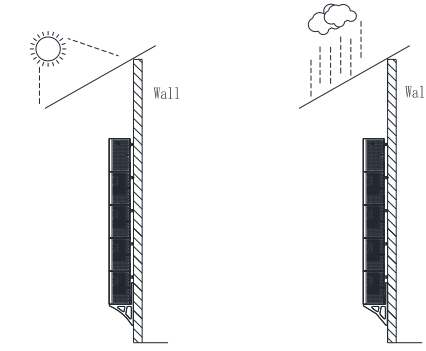
APX 5.0P-B1 Base



Cascading cable

Battery Capacity	Floor Installation Compound Mode	Wall-Mounted Installation Compound Mode
5kWh	A+B+E	A+B+C
10kWh	A+B*2+E	A+B*2+C
15kWh	A+B*3+E	A+B*3+C
20kWh	A+B*4+E	A+B*4+C
25kWh	A+B*5+E*2+D	A+B*5+C*2+D
30kWh	A+B*6+E*2+D	A+B*6+C*2+D
40kWh	A*2+B*8+E*2+F	A*2+B*8+C*2+F
50kWh	A*2+B*10+E*4+D*2+F	A*2+B*10+C*4+D*2+F
60kWh	A*2+B*12+E*4+D*2+F	A*2+B*12+C*4+D*2+F

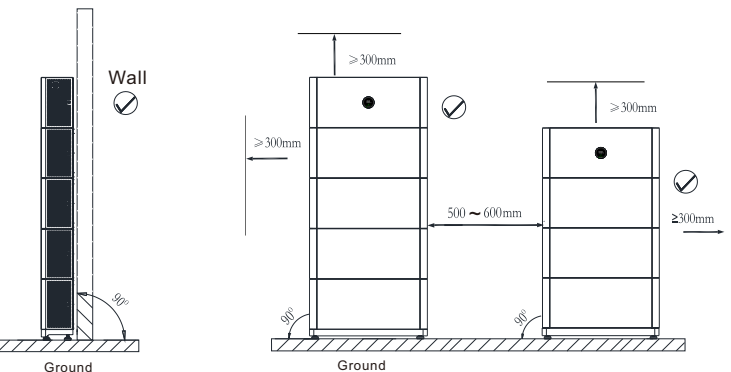
2.Install Environment



Note: Build sun&rain shade for modules to avoid the direct exposure of sunlight and rain.

3.Floor installation with base

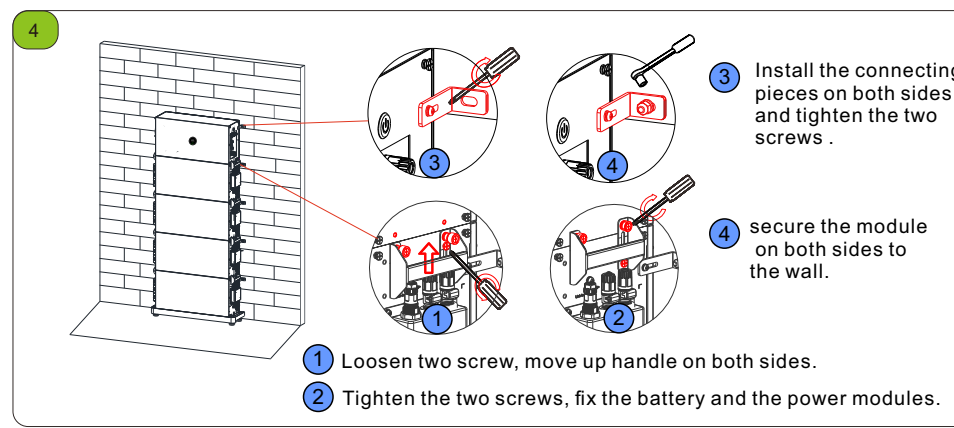
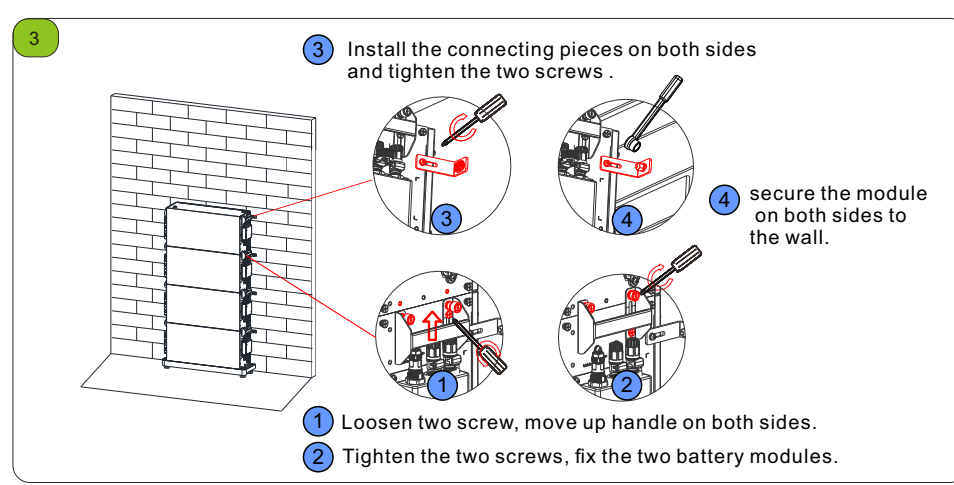
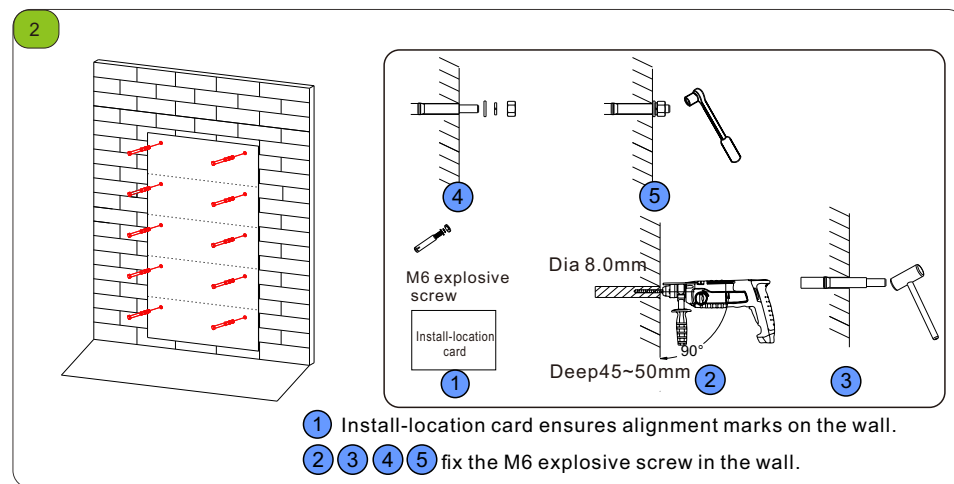
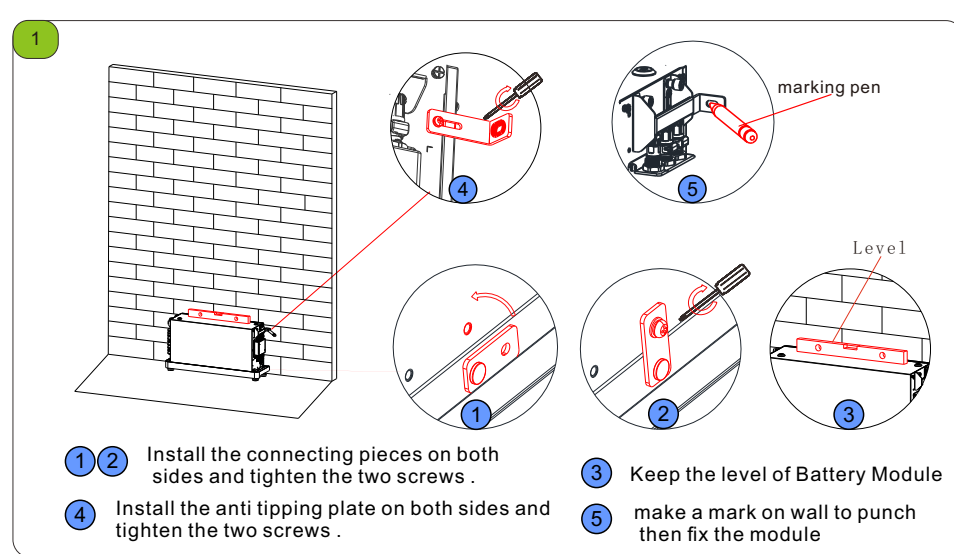
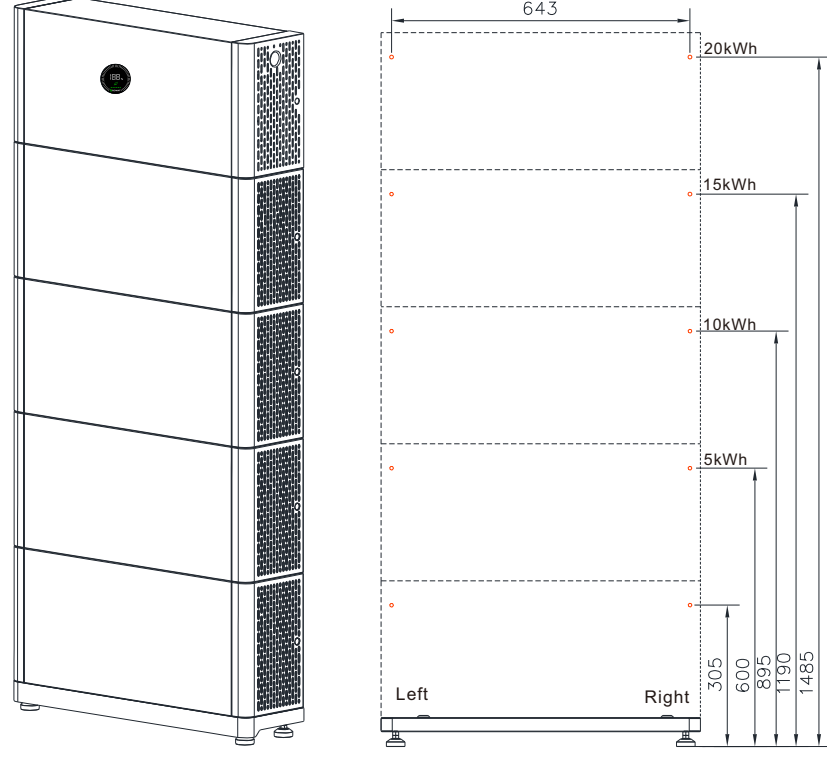
3-1 Installation Location Requirements



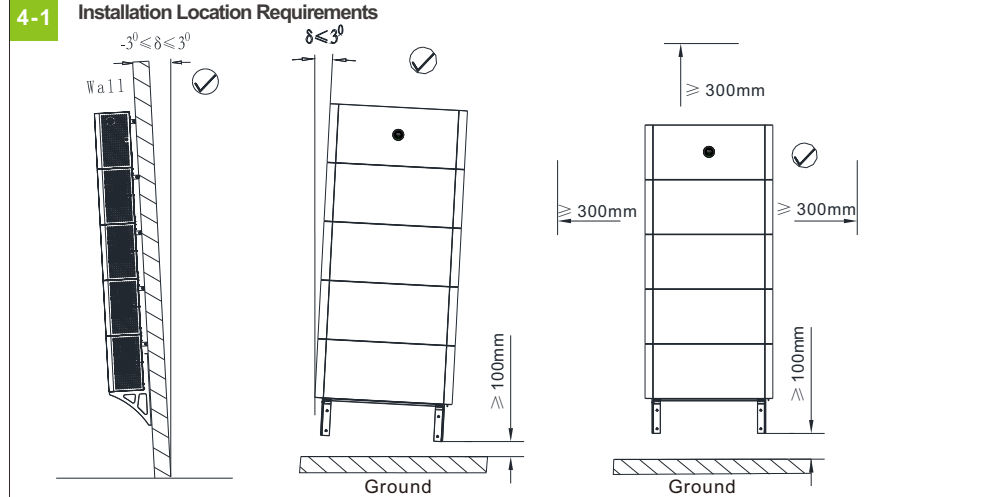
Note: For floor installation with base, the maximum stack number of the battery is six. But if the battery number is greater than four, we recommend stacking them in two lines.

3-2 Installation Procedure

Mounting Hole Dimensions



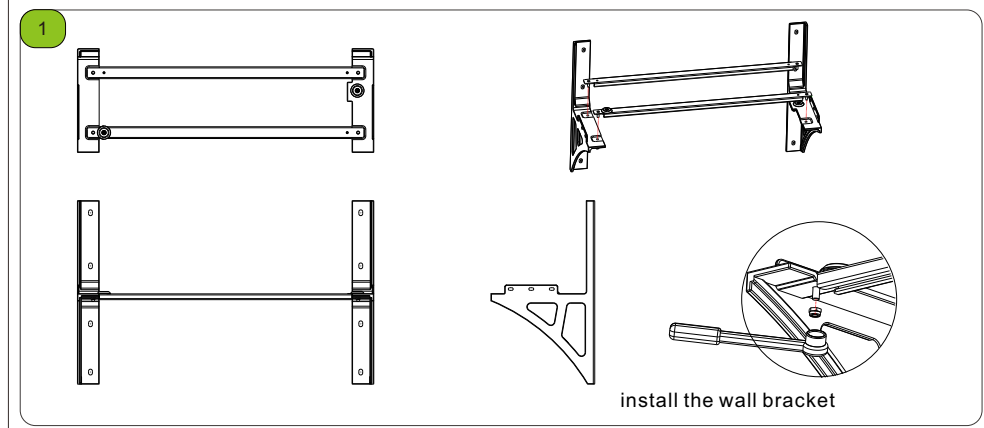
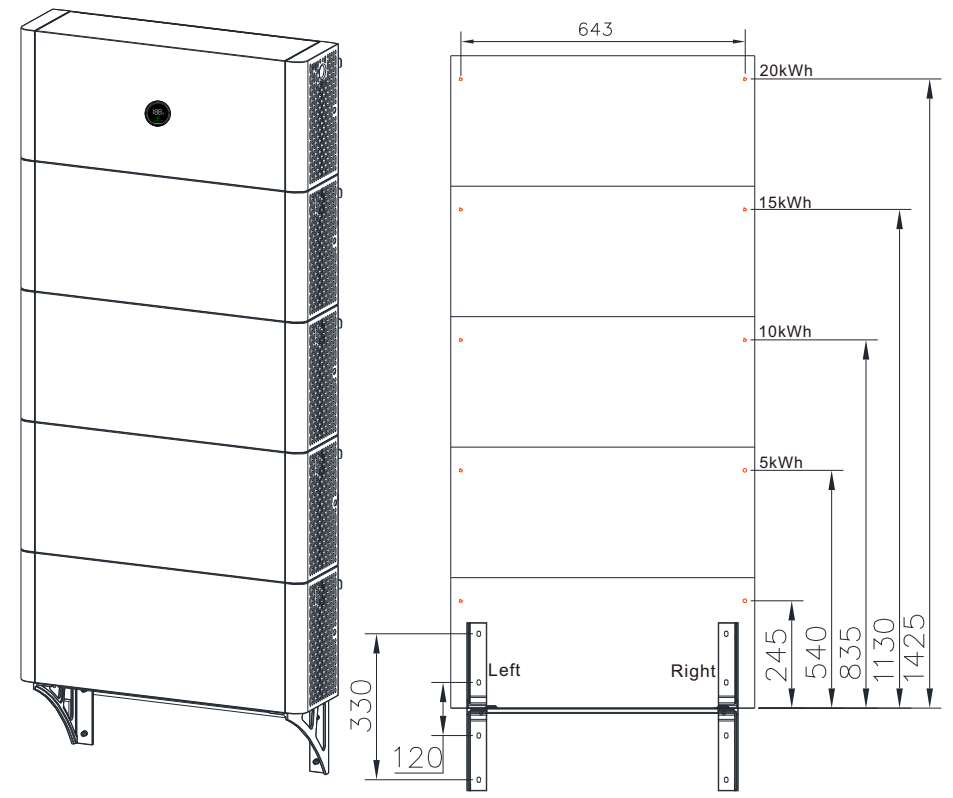
4. Wall-Mounted Installation Process



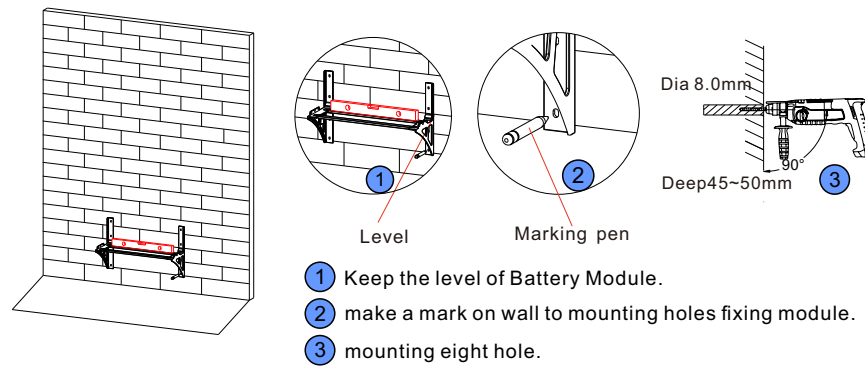
Note: The number of wall-mount installations should not exceed five. Please make sure that the weight capacity of wall should exceed 280kg.

4-2 Installation Procedure

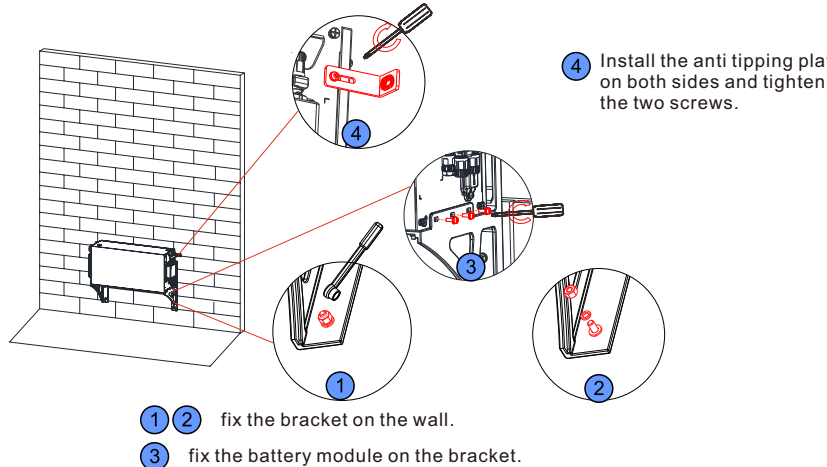
Mounting Hole Dimensions



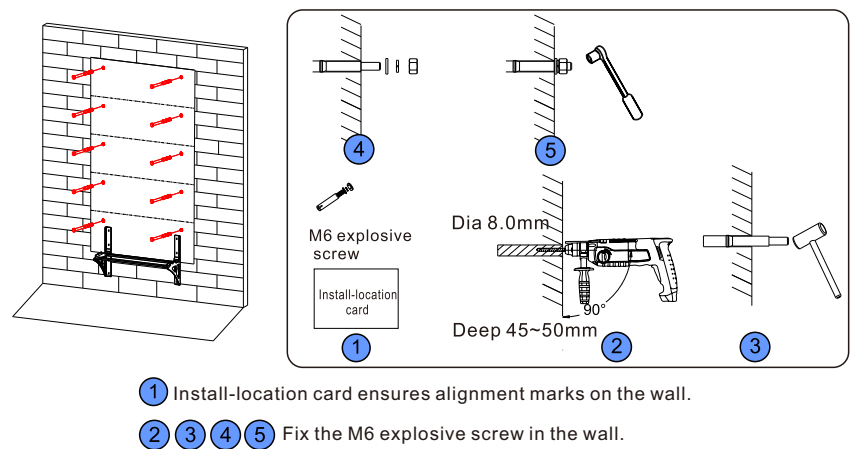
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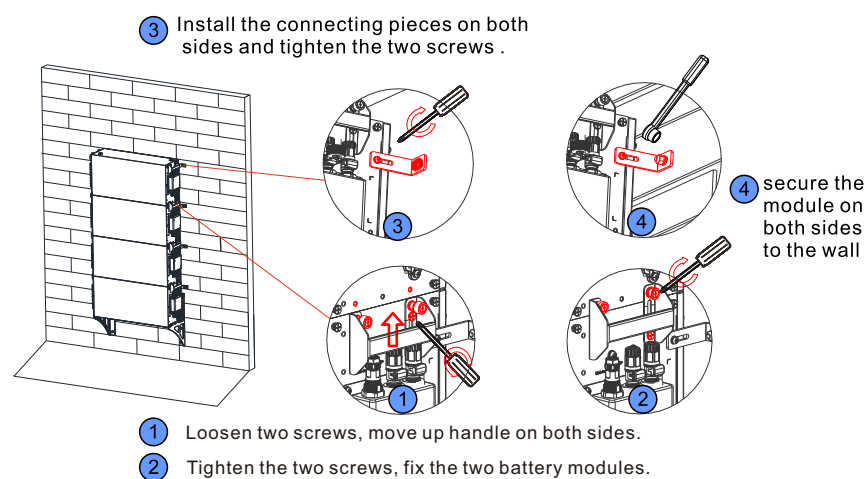
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4

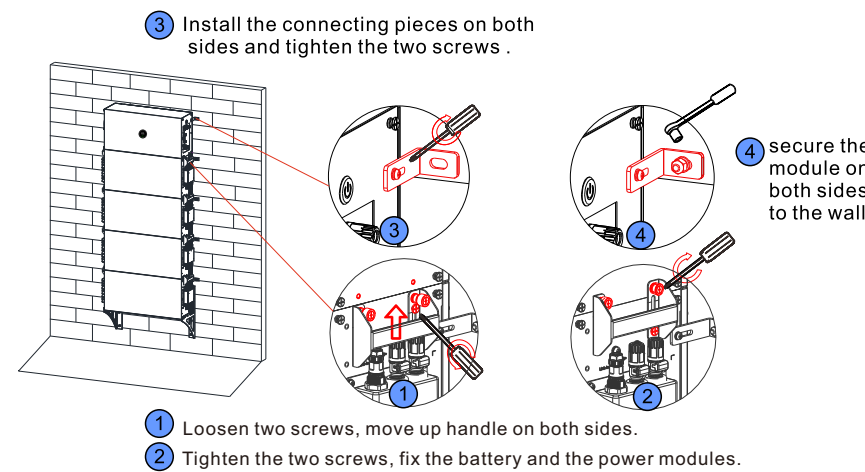


5



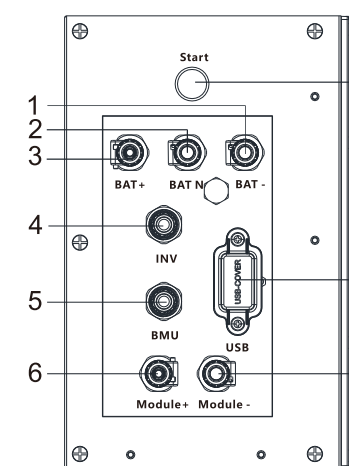
7

6



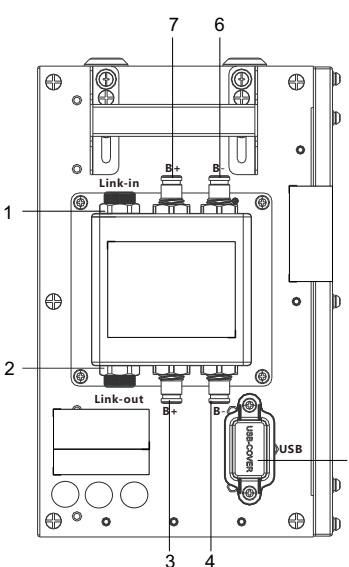
5.Wire Connection

5-1 APX 98034-P2 Connection end face introduction



1	BAT -	Battery negative terminal to PCS
2	BAT N	Battery neutral terminal to PCS
3	BAT +	Battery positive terminal to PCS
4	INV	Inverter communication to PCS
5	BMU	Battery module communication to battery(Link-in) module
6	Module+	Battery module positive terminal to battery(B+) module
7	Module -	Battery module negative terminal to battery(B-) module
8	USB	USB terminal
9	Start	Start key

5-2 APX 5.0P-B1 Connection end face introduction

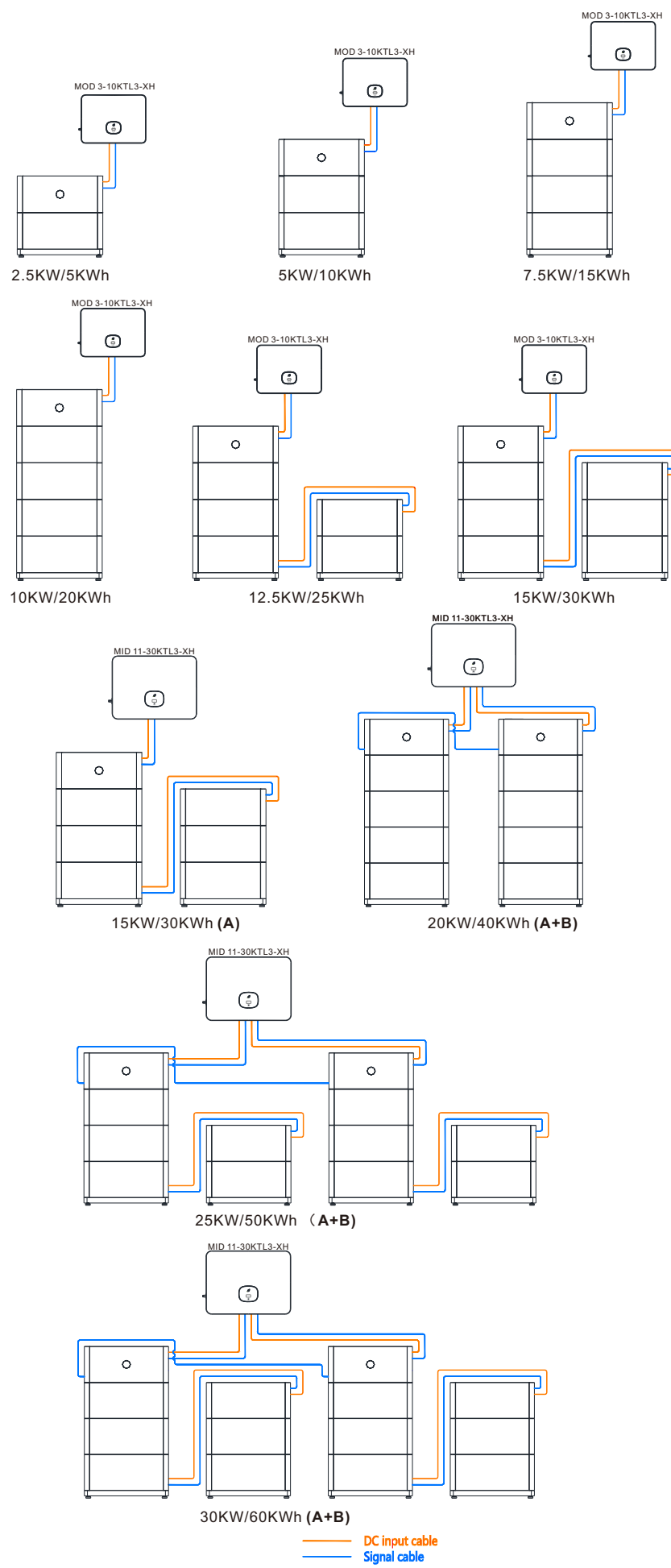


1	Link-in	Link-in communication to another battery(Link-out) or power module(BMU)
2	Link-out	Link-out communication to another battery(Link-in) module
3	B+	Battery positive terminal to another battery(B+) module
4	B-	Battery negative terminal to another battery (B-) module
5	USB	USB terminal
6	B-	Battery negative terminal to another battery(B-) or power module (Module-)
7	B+	Battery positive terminal to another battery(B+) or power module (Module+)

8

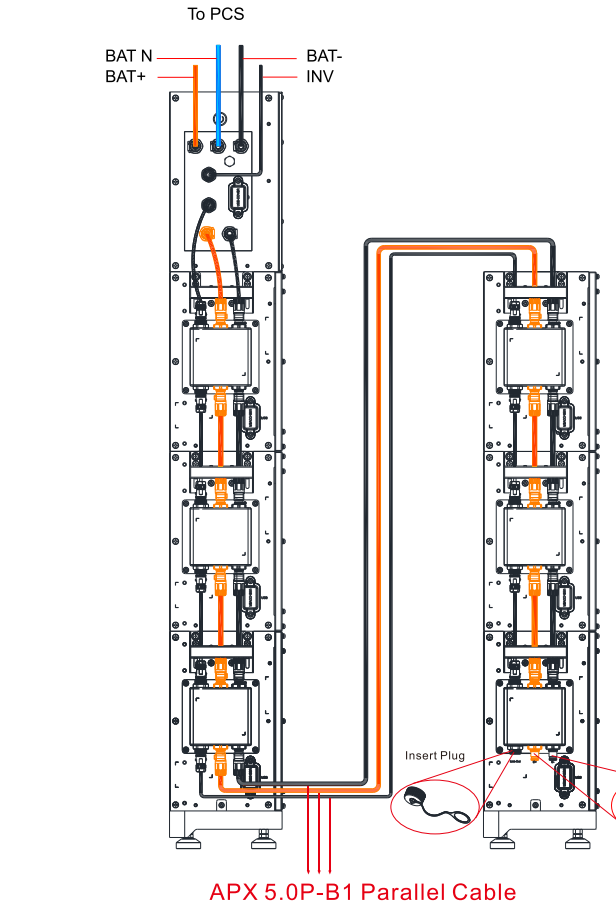
5-3 Battery Capacity Description

The battery supports power and capacity expansion. Two power control modules can be connected in parallel. One power control module supports a maximum of four battery expansion modules.

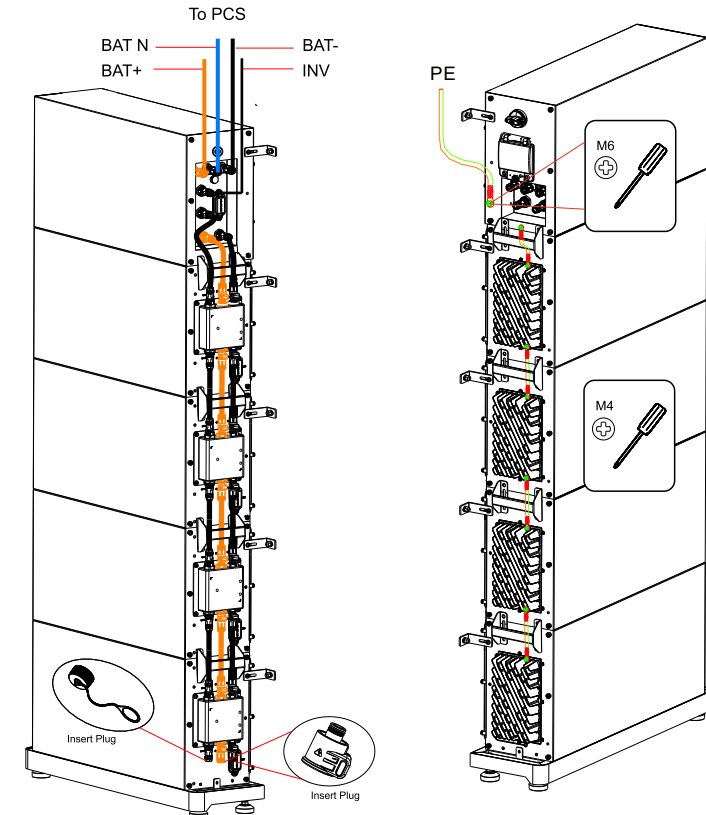


9

5-4 Diagram of wiring connection



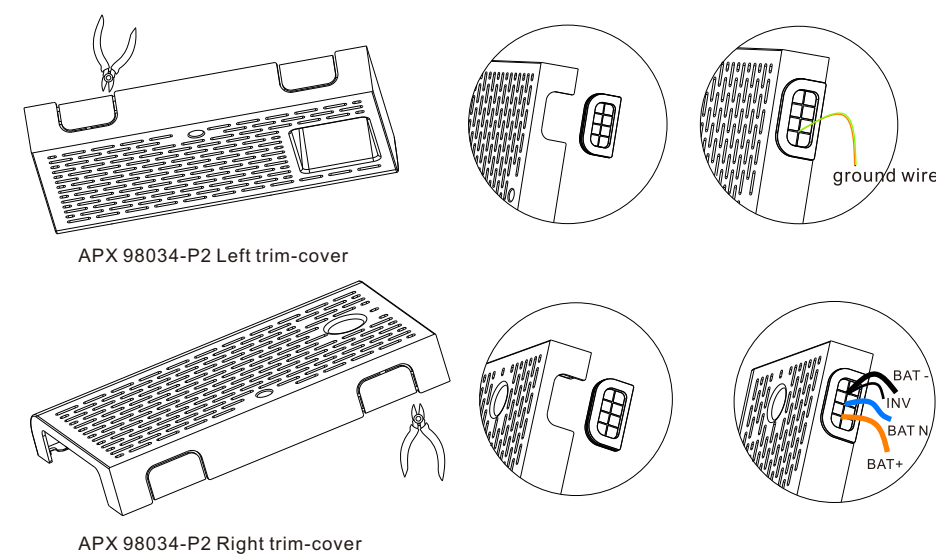
wire connection sequence:
ground cable → communication cable → power cable



Note: It is not recommended to install a DC circuit breaker between the battery system and the PCS, If you want to install a DC circuit breaker with rated working voltage greater than 1000V and rated working current greater than 63A, do not operate the DC circuit breaker with power on, otherwise the machine may be damaged.

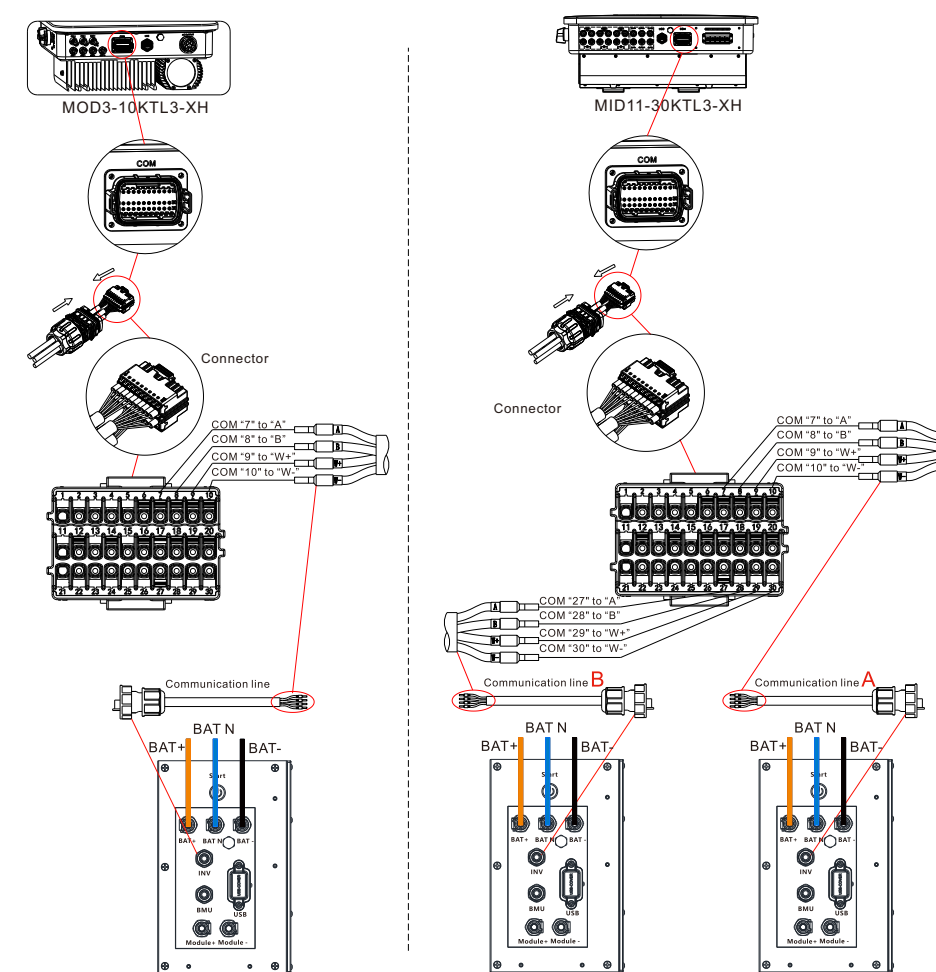
10

5-5 Routing Cables Out of the Cable Hole



5-6 Communication port connection

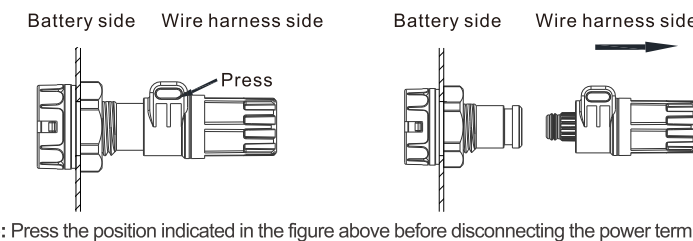
APX 5.0-30.0P-S2			MOD 3-10KTL3-XH			MID 11-30KTL3-XH			
Silk screen	Terminal serial number	Definition	Silk screen	Terminal serial number	Definition	Silk screen	Terminal serial number		Definition
INV	1	WAKE-(W-)	COM	10	BAT.EN-	COM	A	B	BAT.EN-
	2	WAKE+(W+)		9	BAT.EN+		9	29	BAT.EN+
	7	RS485_B(B)		8	RS485B2		8	28	RS485B2
	8	RS485_A(A)		7	RS485A2		7	27	RS485A2



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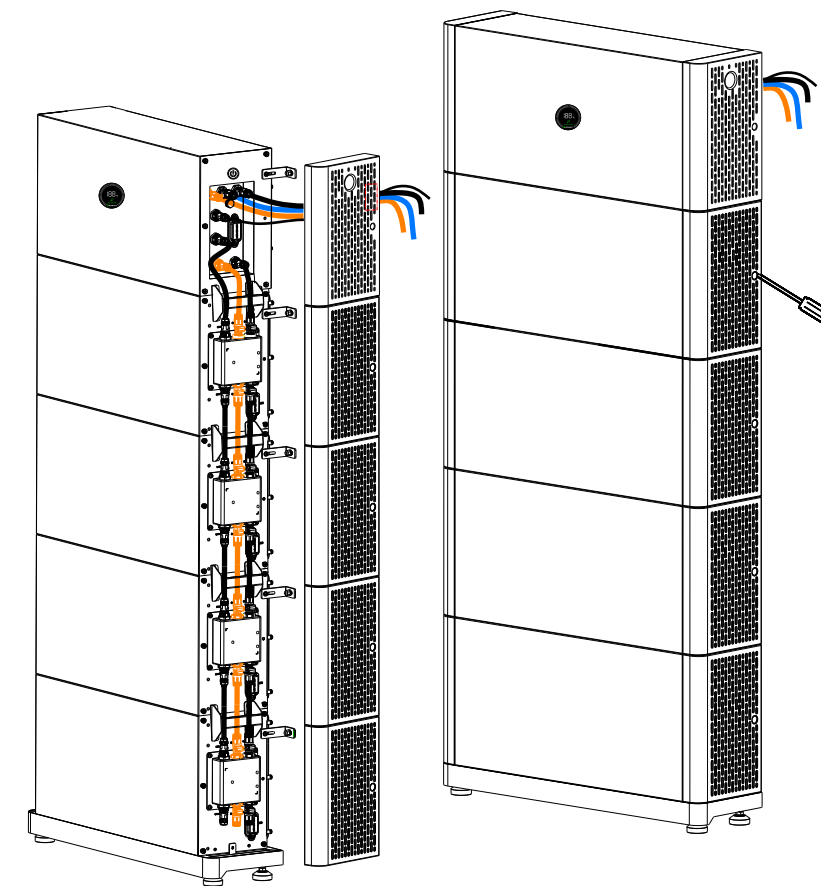
6.Terminal Connection

6-1 Power terminal



Note: Press the position indicated in the figure above before disconnecting the power terminal.

6-2 Install Trim-cover



7.Key operation

Power on	1.Turn on DC Switch 2.Press the start key more than 5S	
System off	Turn off DC Switch (waiting more than 90S)	

Note: When multiple battery systems are used in parallel connection, you only need to press the start key of and module to start the system.

8.Service and contact

Shenzhen Growatt New Energy Co., Ltd
4-13/F, Building A, Sino-German(Europe) Industrial Park,
Hangcheng Ave, Bao'an District, Shenzhen, China
☎ +86 755 2747 1942 ✉ service@ginverter.com
W:www.ginverter.com



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