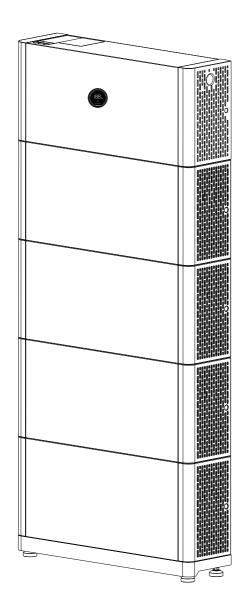


Quick Installation Manual APX 5.0~30.0P-S2

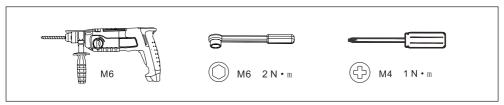


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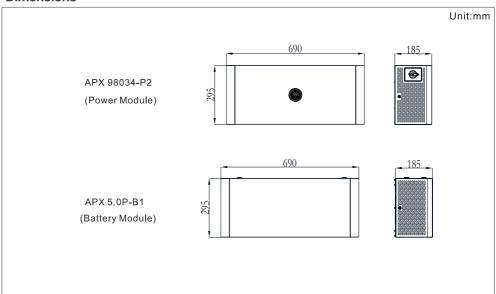
Environment requirements

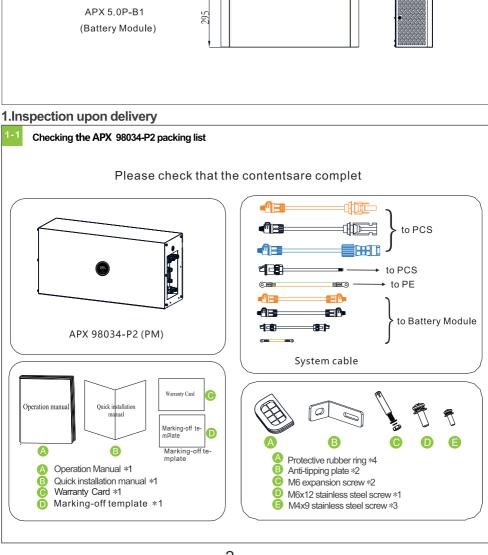


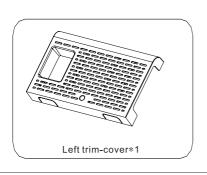
Installation tools

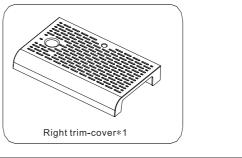


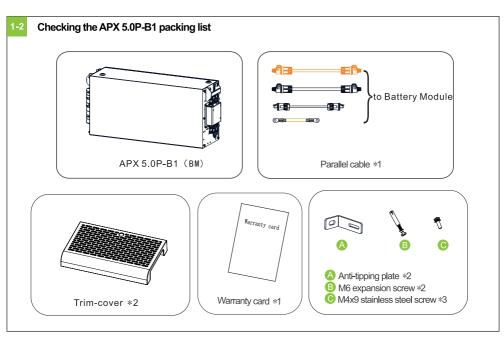
Dimensions

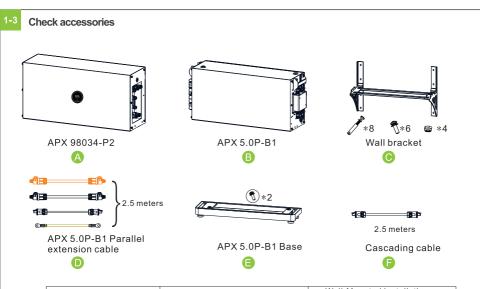






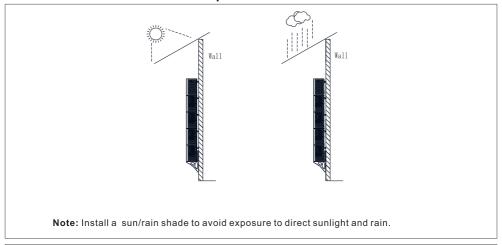


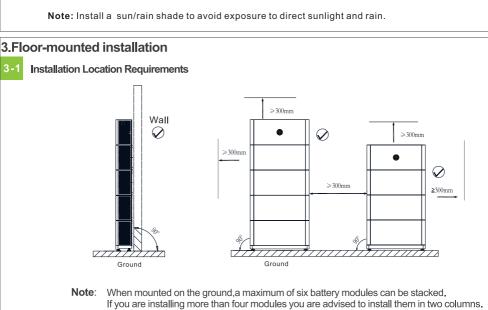


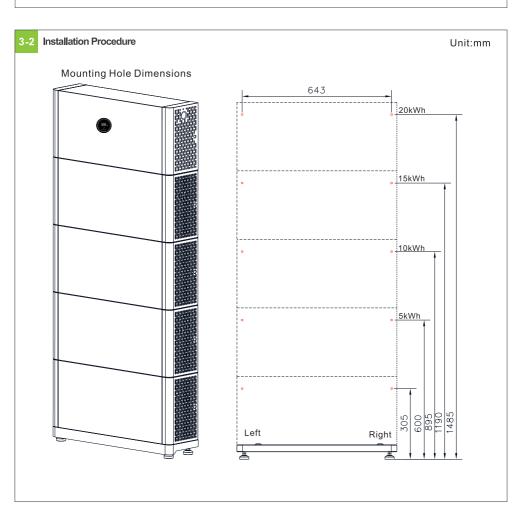


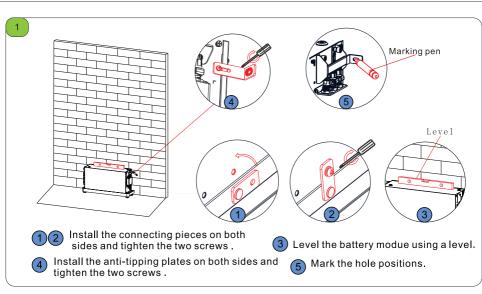
	Floor-mounted Installation	Wall-Mounted Installation		
Battery Capacity	Compound Mode	Compound Mode		
5kWh	A+B+E	A+B+C		
10kWh	A+B*2+E	A+B*2+C		
15kWh	A+B*3+E	A+B*3+C		
20kWh	A+B*4+E	A+B*4+C		
25kWh	A+B*5+E*2+D	A+B*5+C*2+D		
30kWh	A+B*6+E*2+D	A+B*6+C*2+D		
40kWh	A*2+B*8+E*2+F	A*2+B*8+C*2+F		
50kWh	A*2+B*10+E*4+D*2+F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

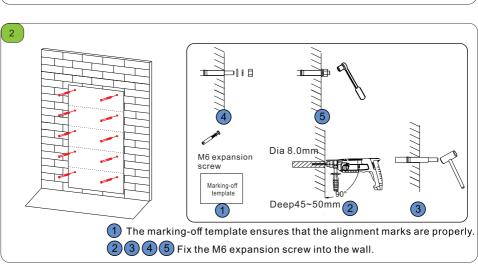
2.Installation Environment Requirement

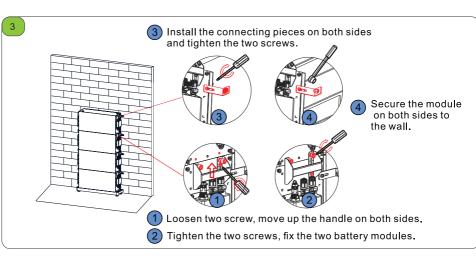


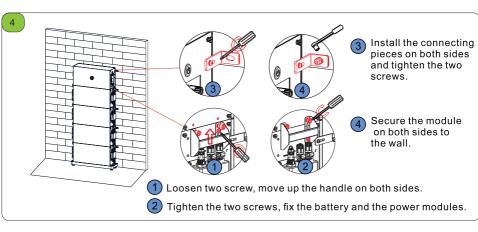




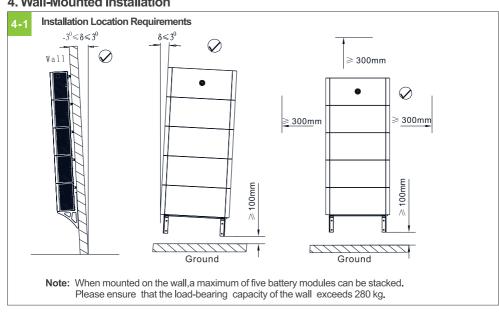


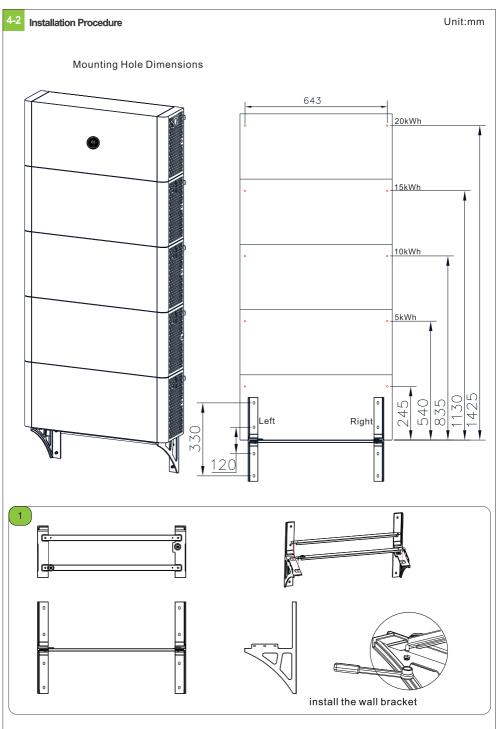


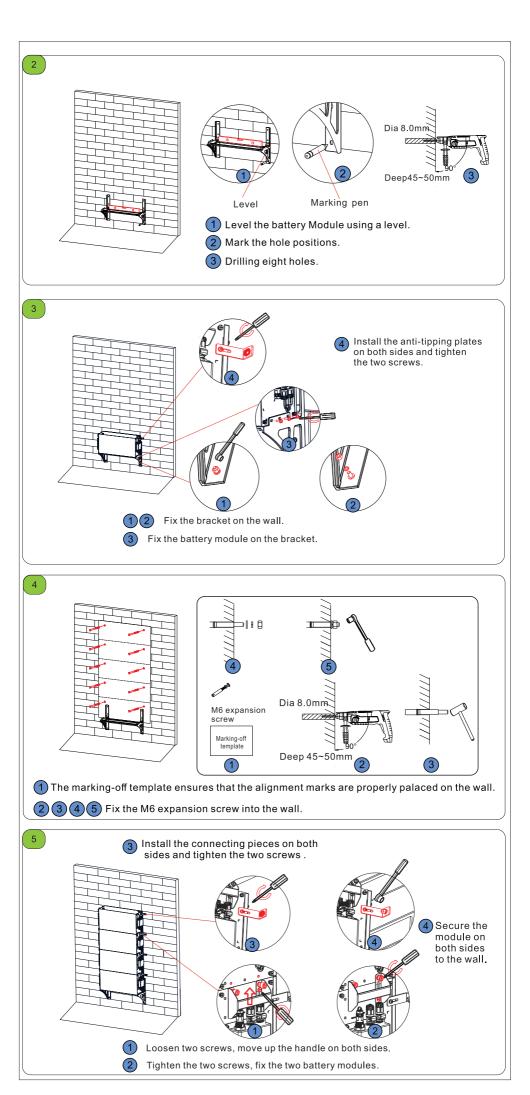


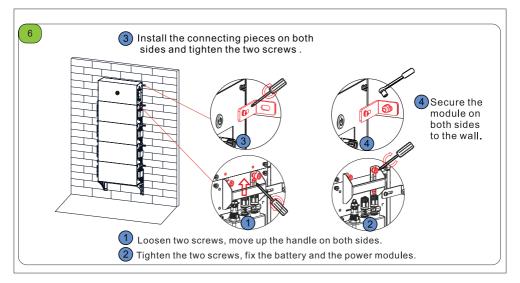


4. Wall-Mounted Installation



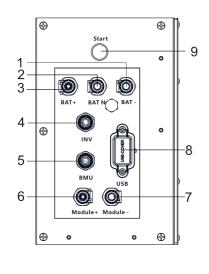






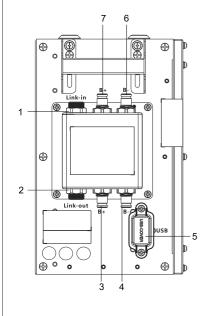
5.Wire Connection

5-1 APX 98034-P2 terminal & key description



1	BAT -	T - Battery negative terminal to connected to the PCS	
2	BAT N	N Battery neutral terminal to connected to the PCS	
3	BAT+	Battery positive terminal to connected to the PCS	
4	INV Communication terminal connect to the PCS		
5	вми	Communication terminal connect to the battery module (Link-in)	
6	Module+	Connect to the positive battery terminal of the Battery Module (B+)	
7	Module -	Connect to the positive battery terminal of the Battery Module (B-)	
8	USB USB terminal		
9	Start	Start key	

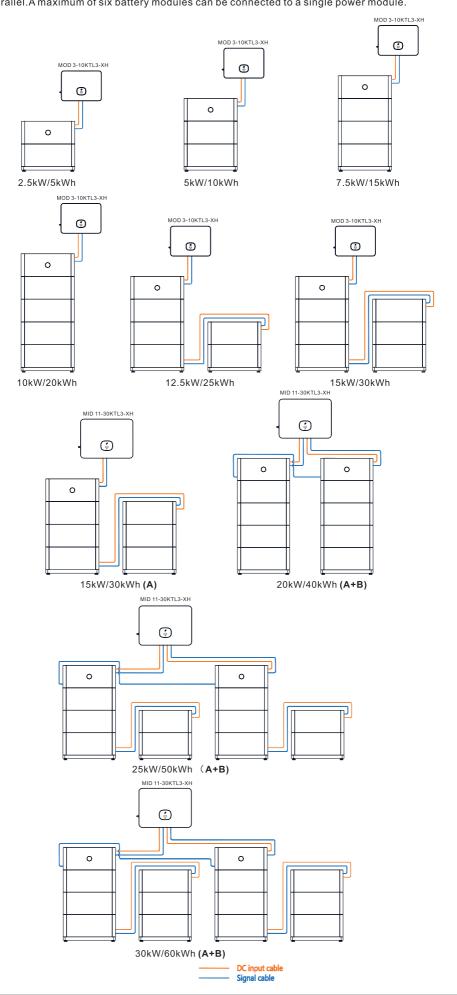
APX 5.0P-B1 Connection end face introduction



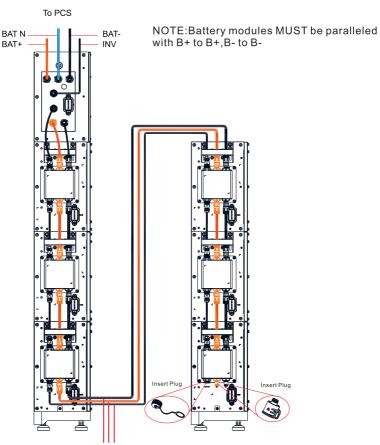
1	Link-in	Communication terminal Connect to another BM(Link-out) or the PM(BMU)Communication
2	Link-out	Communication terminal Connect to another BM(Link-in)
3	B+	Battery positive terminal Connect to another BM(B +)
4	B-	Battery negative terminal Connect to another BM (B-)
5	USB	USB terminal
6	Battery negative terminal Connect to another BM(B-) or th PM (Module-)	
7	B+ Battery positive terminal Connect to another BM(B+) or the PM (Module+)	

5-3 Battery Capacity Description

The battery supports power and capacity expansion. Two power control modules can be connected in parallel. A maximum of six battery modules can be connected to a single power module.

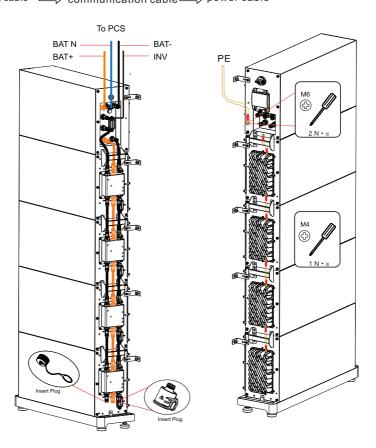


5-4 Wiring diagram

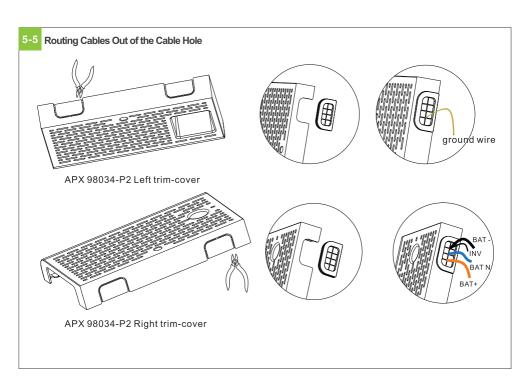


APX 5.0P-B1 Parallel Cable

wire connection sequence: ground cable \implies communication cable \implies power cable

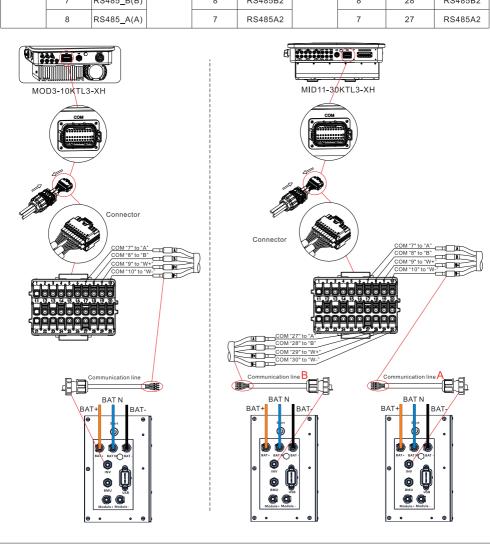


Note: It is not recommended to install a DC circuit breaker between the battery system and the PCS.If you want to install a DC circuit breaker with rated working voltage greater than 1000V and rated working current greater than 63A, do not operate the DC circuit breaker with power-on, otherwise the machine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

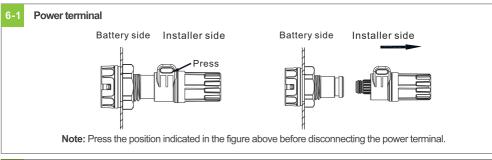


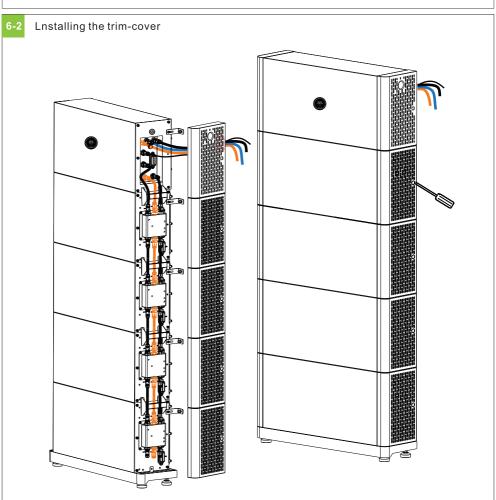
5-6 Communication port connection

APX 5.0-30.0P-S2		MOD 3-10KTL3-XH		MID 11-30KTL3-XH						
Silk	Terminal serial	Definition	Silk screen	Terminal serial	Definition	Silk screen	Terminal se	rial number	Definition	
screen	number	20111111011	3010011	number	20111111011		Α	В		
	1	1 WAKE-(W-) 10 BAT.EN-		10	30	BAT.EN-				
INV	2	WAKE+(W+)	СОМ	9	BAT.EN+	СОМ	9	29	BAT.EN+	
	7	RS485_B(B)	OOW	8	RS485B2		8	28	RS485B2	
	8	RS485_A(A)		7	RS485A2		7	27	RS485A2	



6.Terminal Connection





7. Key operation

Power on	1.Turn on the DC Switch 2.Press the start key for more than 5S	off Press⇒ O
Power off	Turn off the DC Switch (waiting for over 90S)	Rotate NO OFF

Note:1. Before performing maintenance and repair work, ensure that the AC circuit breaker and the PV switch of the PCS, as well as the switch of the APX are disconnected. Wait for 15 minutes after the system is powered off and make sure that the LOGO (GROWATT) indicator on the APX is off. Do not perform any operations until the system is completely shut down.

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

8. Service and contact

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