




Installation environment



Max. +50°C

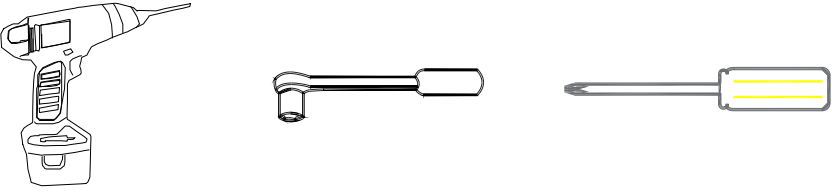


Min. -10°C



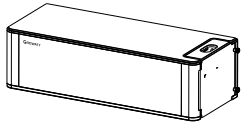
RH. +5%~+95%

Installation tools

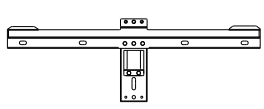


1. Check

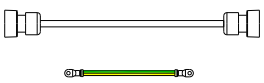
1-1 Check Packing List



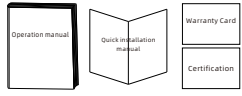
ARK-2.5L-A1



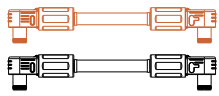
Wall Hangers X1



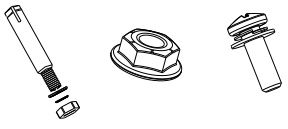
Parallel communication line X1  
Ground wire X1



Quick installation Manual X1  
Operation Manual X1  
Warranty Card X1  
Certification X1

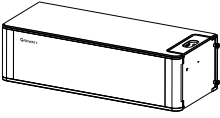


Positive parallel power line X1  
Negative parallel power line X1



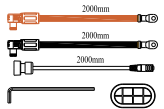
M6 explosive screw X2  
M6 flange nut X1  
M4x10 Combination screw X2

1-2 Check accessories



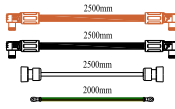
ARK-2.5L-A1

A



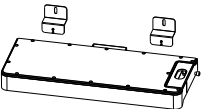
ARK-2.5L-A1  
Cable To PCS

B



ARK-2.5L-A1  
Parallel Cable

C

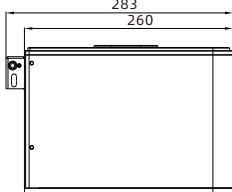
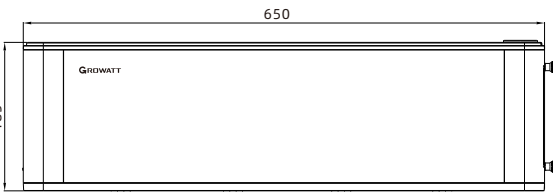


ARK-2.5L-A1 Base

D

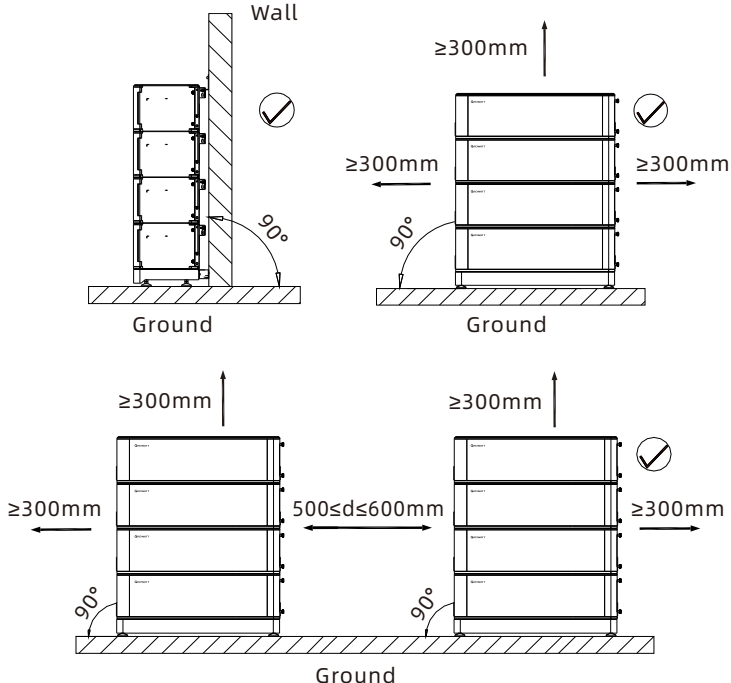
Installation Method	Compound Mode
Standard Wall-Mounted Installation	A+B
Standard floor installation	A+B+D
Wall-Mounted Battery system stacked in two line	A+B+C
Floor installation battery system stacked in two line	A+B+C+D*2

System size



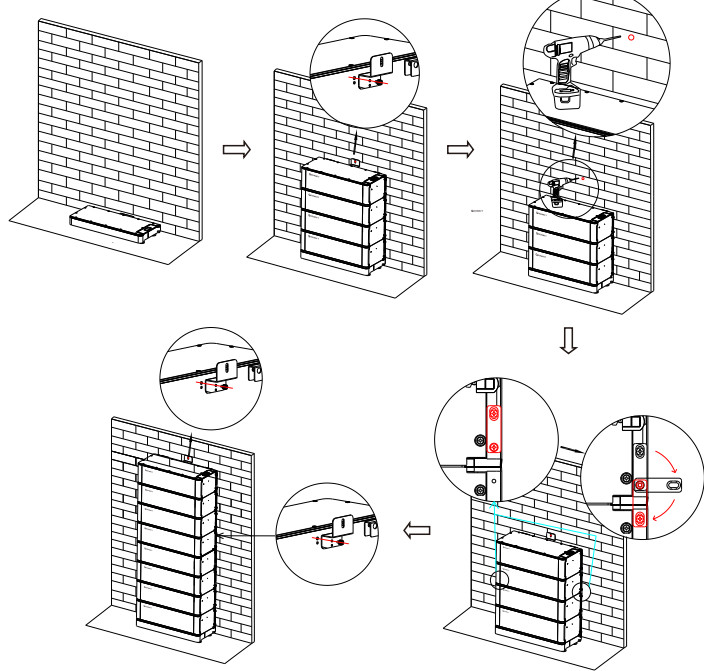
2. Floor installation with base

2-1 Installation Location Requirements



1. If more than 4 batteries are used, base mounting is recommended.  
2. For floor installation with base, the maximum stack number of the battery is ten.  
But if the battery number is greater than six, we recommend stacking two stacks.

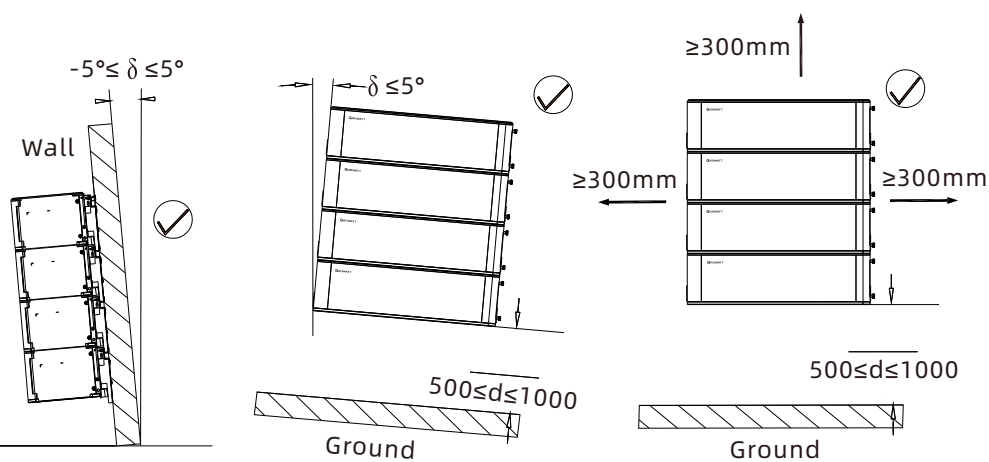
2-2 Installation Procedure



**Note:** The safety part needs to be installed at the top battery, however, once the number of the battery pack is higher than 7, one more safety part should be installed in the middle battery which is shown the last step. Avoid drilling holes in the water pipes and cables buried in the wall.

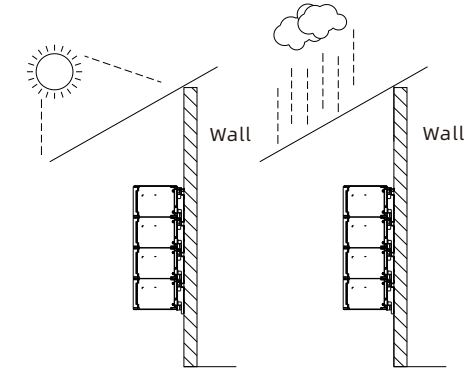
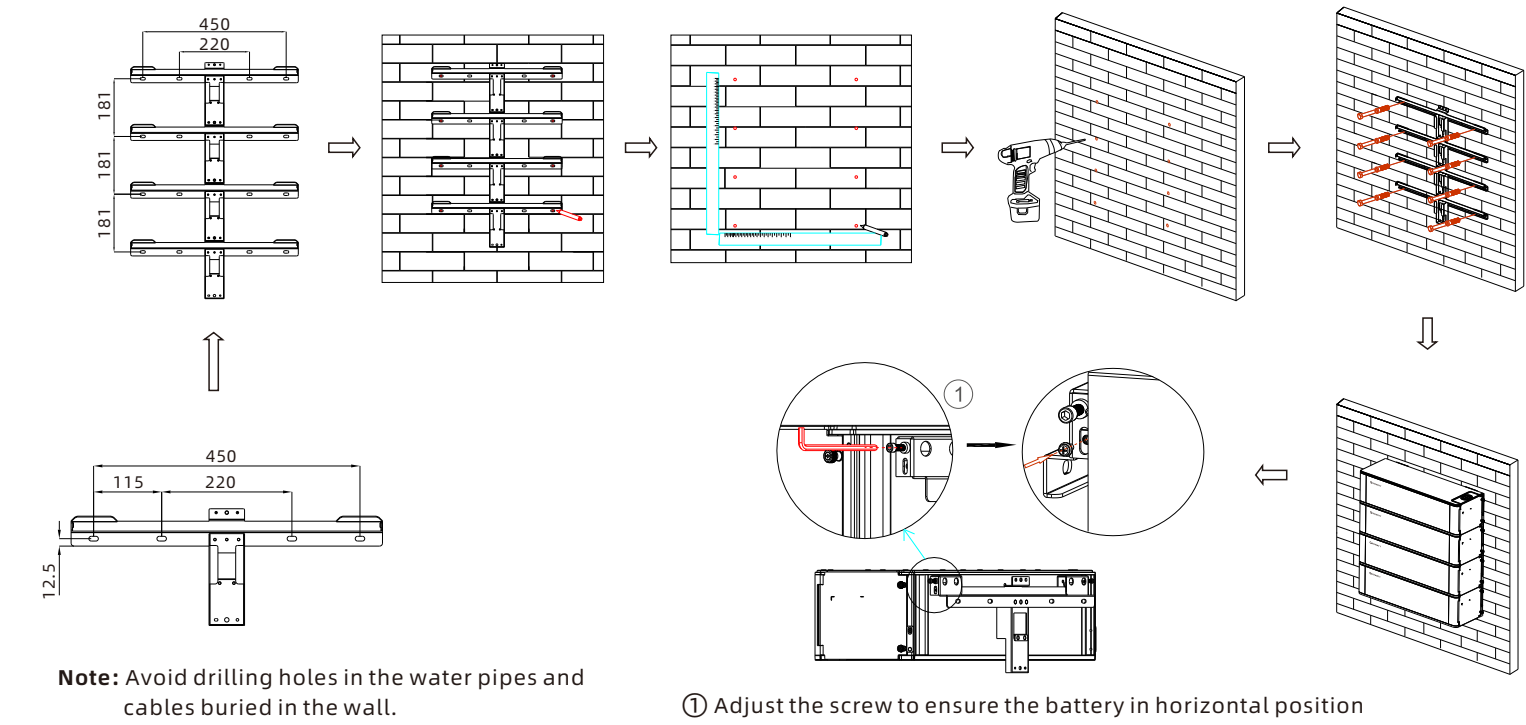
3. Wall-Mounted Installation Process

3-1 Installation Location Requirements



**Note:** The number of wall-mount installations should not exceed four. Please make sure that the weight capacity of wall should exceed 150kg.

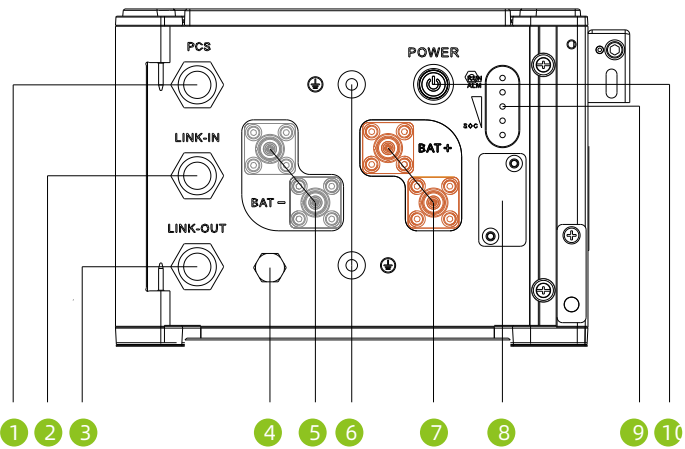
3-2 Installation Procedure



**Note:** Build sun& rain shade to avoid direct exposure to sunlight and rain.

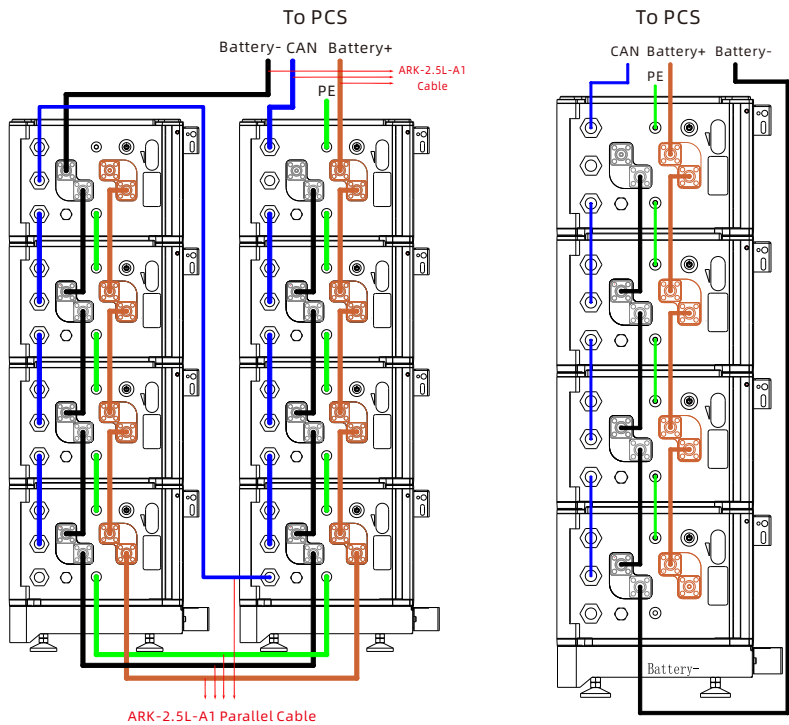
5. Wire Connection

5-1 Connection end face introduction



1	PCS CAN communication	6	GND terminal
2	LINK-IN CAN communication	7	Positive terminal
3	LINK-OUT CAN communication	8	USB interface
4	Safety vent	9	LED
5	Negative terminal	10	Power button

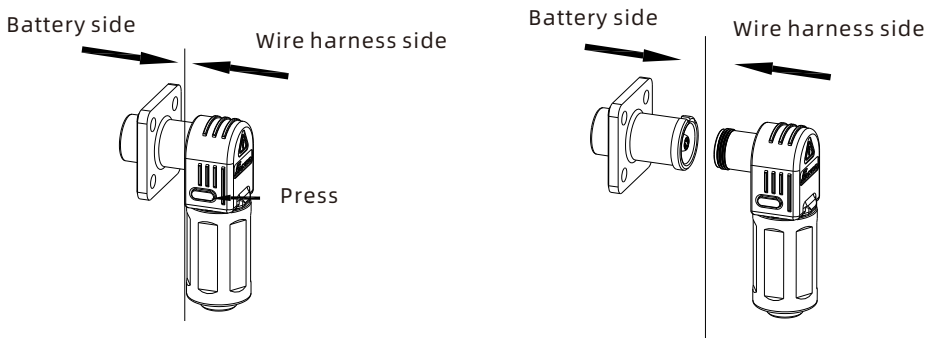
5-2 Diagram of wiring connection



**Note:** The switch connect PCS to ARK-2.5L-A1, we recommend the use of molded case circuit breaker with rated working voltage greater than 125V and rated working current greater than 125A.

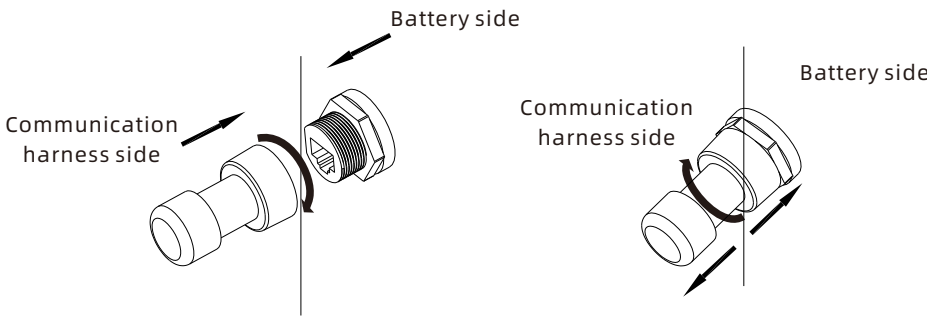
6. Terminal Connection

6-1 Power terminal



Press the position indicated in the figure above before disconnecting the power termina.

6-2 Communication terminal



7. Key operation

Power Button

Situation	Touch	Definition	
System off	Press(<2S)	No reaction	
System on	Press(≥2S)	Power on	
	Press once	Shut down	

**Note:** When multiple battery modules are used in parallel connection, you only need to press one key of any module to start the system, and also press one key to shut down the battery system. ALM/RUN light turns green when powered on

8. 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 www.ginverter.com



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