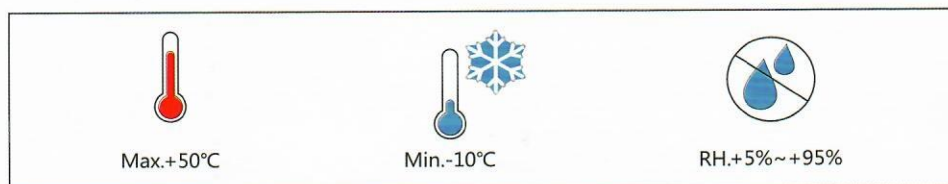
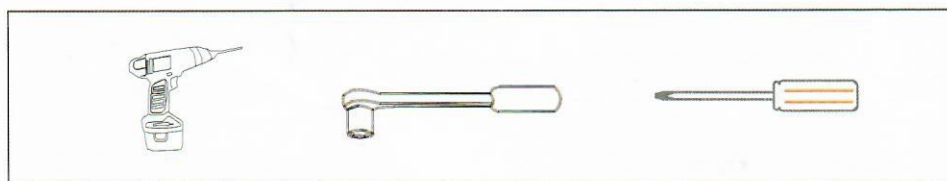


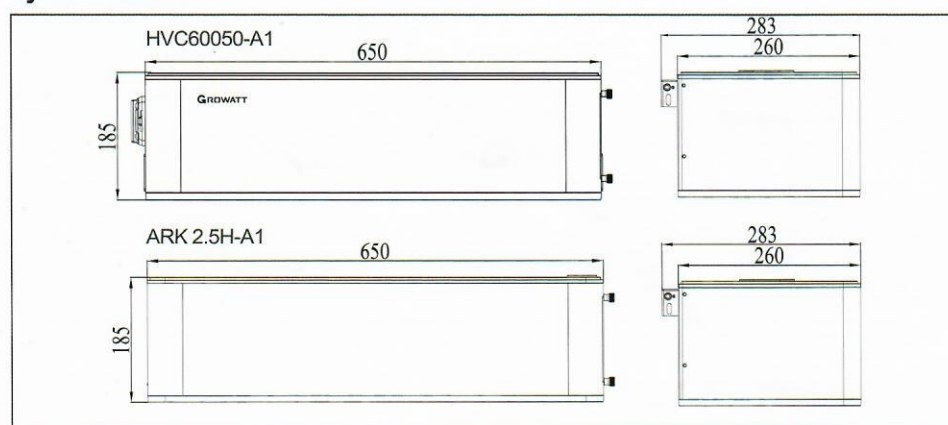
Installation environment



Installation tools

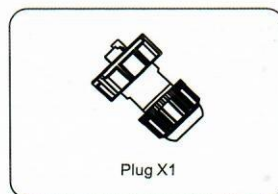
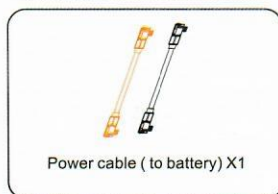
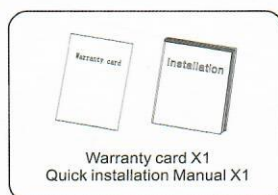
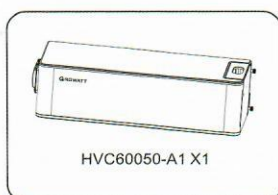


System size

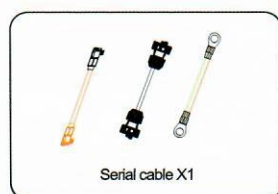
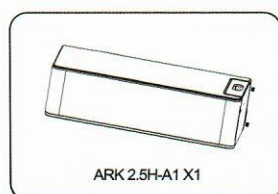


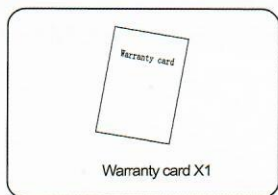
1. Check

1-1 Check HVC60050-A1 List



1-2 Check ARK 2.5H-A1 List





1-3 Check accessories



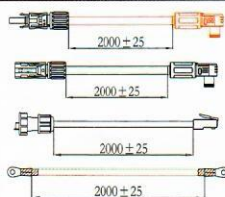
HVC60050-A1

A



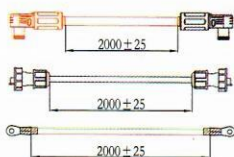
ARK 2.5H-A1

B



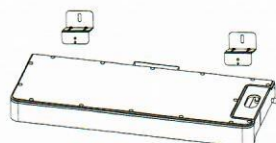
ARK 2.5H-A1 cable

C



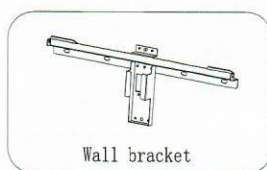
ARK 2.5H-A1 Series cable

D



ARK-2.5H-A1 Base

E



Wall bracket

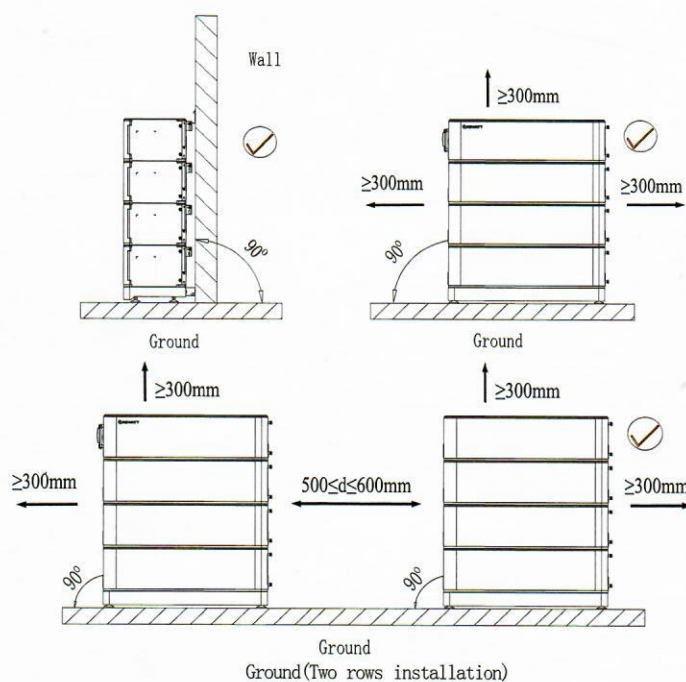
F

Installation Method	Compound Mode
Standard Wall-Mounted Installation	$A+B+C+F \times n$
Standard floor installation	$A+B+C+E$
Wall-Mounted Battery system stacked in two line	$A+B+C+D+F \times n$
Floor installation battery system stacked in two line	$A+B+C+D+E \times 2$

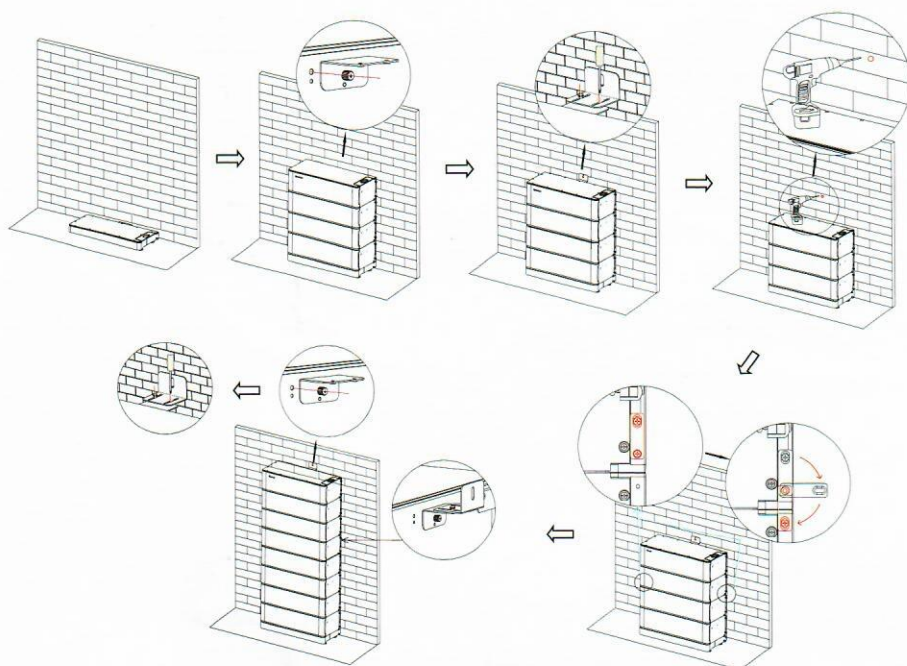
Note: Wall mounted, one battery with one Wall bracket.

2. Floor installation with base

2-1 Installation Location Requirements



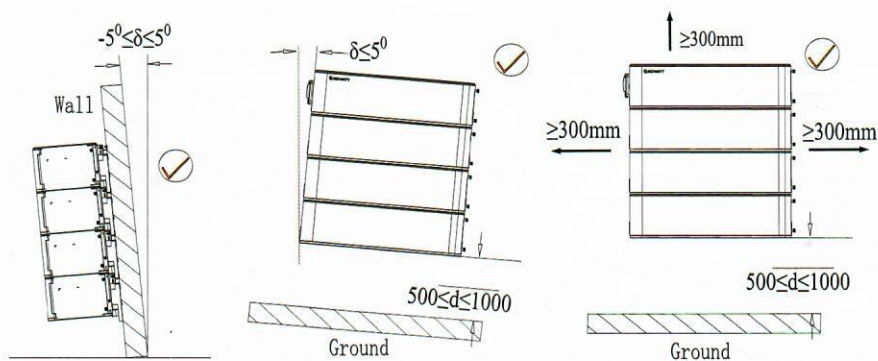
Note: 1. If more than 4 batteries are used, base mounting is recommended.
2. For floor installation with base, the maximum stack number of the battery is ten.
But if the battery number is greater than six, we recommend stacking them in two lines.



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.

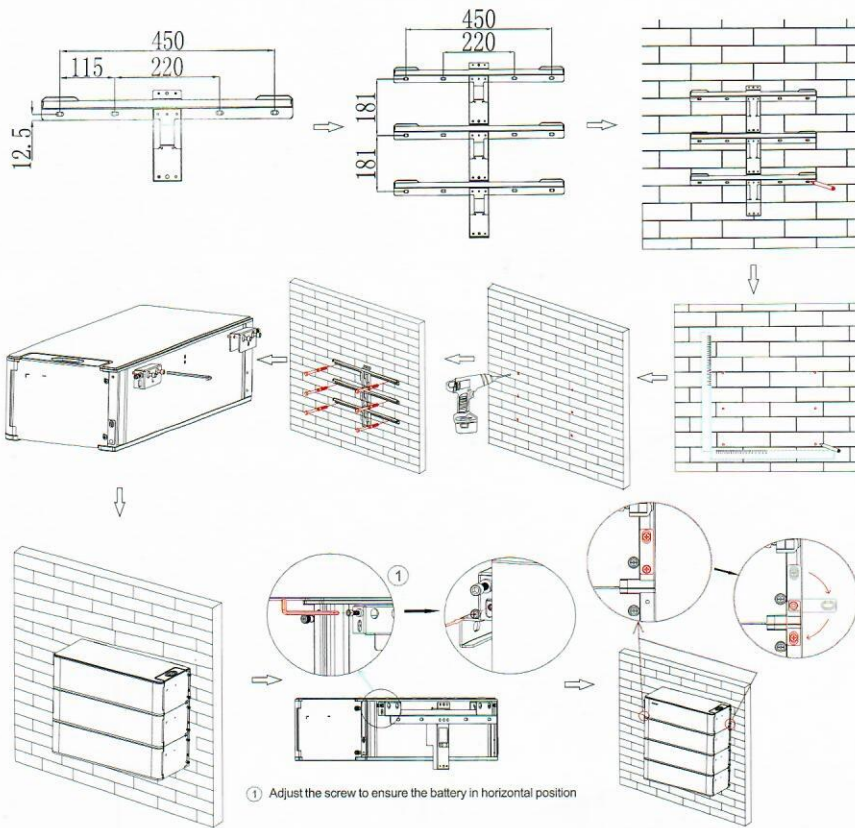
3. Wall-Mounted Installation Process

3-1 Installation Location Requirements

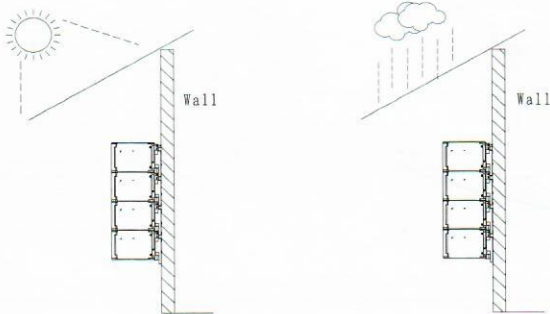


Note: The number of wall-mount installations should not exceed four.
Please make sure that the weight capacity of wall should exceed 150kg.

3-2 Installation Procedure



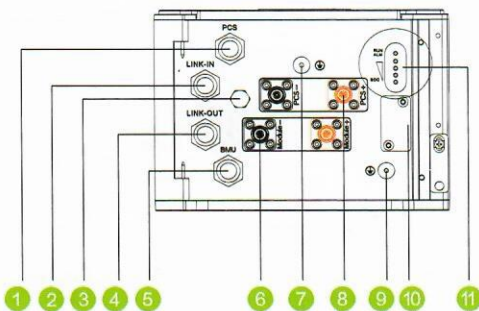
4.Install Environment



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

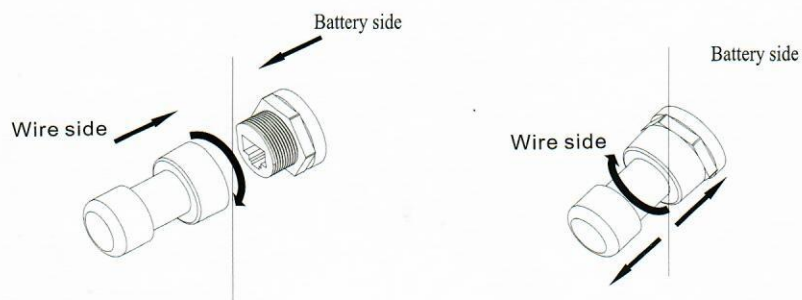
5.Wire Connection

5-1 HVC 60050-A1 Interface introduction

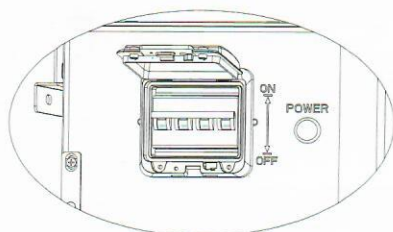


1	Communication with PCS	7	Ground terminal
2	Parallel communication input	8	Terminal connected to PCS
3	Pressure relief valve	9	Ground terminal
4	Parallel communication output	10	USB interface
5	Communication with battery	11	LED of status indication
6	Terminal connected to battery		

6-2 Communication terminal

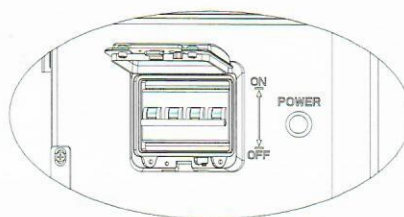


7. Battery system switch operation



Power ON battery system

a、Power on battery system :
Turn the circuit breaker to the "on" state,
then press the "POWER" button for 5-6 seconds,
and wait until the LED of the battery system lights up,
indicating that the power on is completed



Power OFF battery system

b、Power off battery system:
Turn the circuit breaker to "off" to turn off the
entire battery 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

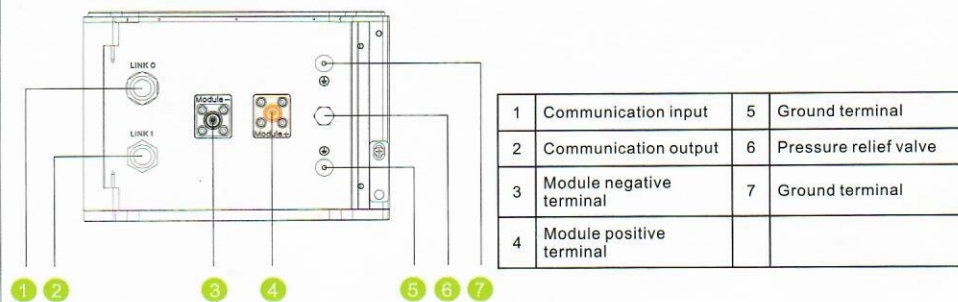
☎ 86 0755 2747 1942 ✉ service@ginverter.com

W: www.ginverter.com

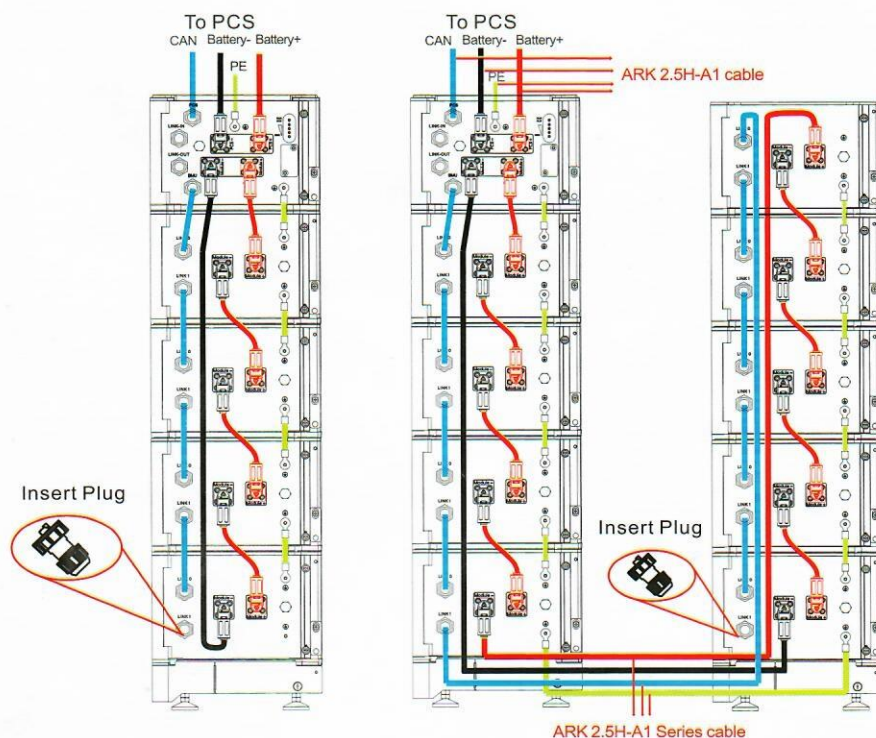


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5-2 ARK 2.5H-A1 Connection end face introduction



5-3 Diagram of wiring connection

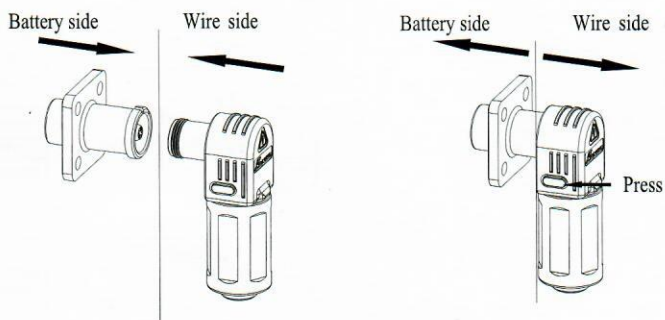


Note:

1. Before installing the system, ensure that the voltage difference of the battery pack is less than 0.5V ;
2. For the same system, it is recommended to select the battery with the manufacturing date difference within 3 months, otherwise the system capacity will be limited.
3. If there is a switch between PCS and battery, it is recommended to use a circuit breaker with rated voltage greater than 750V and rated current greater than 63A.

6. Terminal Connection

6-1 Power terminal



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