# powering tomorrow rowatt

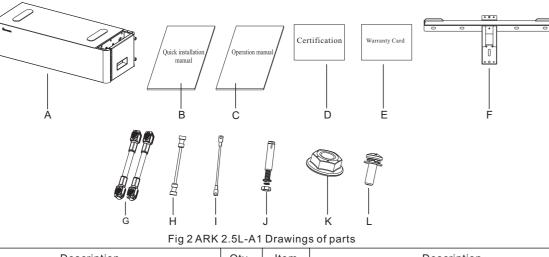


> Ensure to read the Guidance before installation in order to understand product information and safety cautions;

- > Operators should be well trained technicians and fully understand the whole photovoltaic
- system, grid network, working principle and national regional standards;
- Installers must use insulating tools and wear safety equipment;
- > Device damages caused by failure to comply with storage, transportation, installation and use requirements specified in Guidance are not coved by Warranty.
- Build sun& rain shade to avoid direct exposure to the sunlight and rain.

## 1. Checking

- 1. Open the package and take out all the accessories.
- 2. Check the quantity of all parts inside according to the package list.



Item	Description	Qty.	Item	Description	Qty.
А	ARK 2.5L-A1	1	F	Positive and negative parallel power line(Two wires)	1
В	Quick installation Manual	1	н	Parallel communication line	1
С	Operation Manual	1	I	Ground wire	1
D	Certification	1	J	M6 explosive screw	2
E	Warranty Card	1	К	M6 flange nut	1
F	Wall Hangers	1	L	M4x10 Combination screw	2

3.Check the accessories

> There are three types of accessory boxes, one for the wires that connect the PCS, one for connecting two stacks of battery systems and the other for installation base. Accessories list are shown as blow.

Standard Wall-Mounted Installation: ARK 2.5L-A1+Wires connect to PCS.

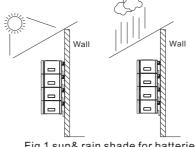
Standard floor installation: ARK 2.5L-A1+Wires connect to PCS+ Installation base.

> Wall-Mounted Battery system stacked in two line: ARK 2.5L-A1+Wires connect to PCS+ Wires connecting two stacks of battery systems.

> Floor installation battery system stacked in two line: ARK 2.5L-A1+Wires connect to PCS+ Wires connecting two stacks of battery systems+ Installation base.

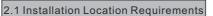
Wires connect to PCS			Wires connecting two stacks of battery systems		
Item	Description	Qty.	Item	Description	Qty.
A	Positive and negative power line to PCS(Two wires)	1	А	Positive and negative power line for two stacks of battery systems(Two wires)	1
В	Communication line to PCS	1	В	Communication line for two stacks of battery systems	1
С	ARK 2.5L-A1 Wire plate	1		Installation base	
D	M4*8 countersunk screw	1	Item	Description	Qty.
E	Silicone coil	1	A	Base	1
F	M6 external hexagon torque wrench	1			

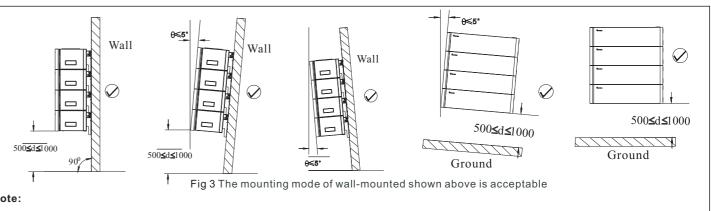
## ARK 2.5L-A1 Quick Guide



## Fig 1 sun& rain shade for batteries

## **2.** Installation Process (Wall-Mounted without base)

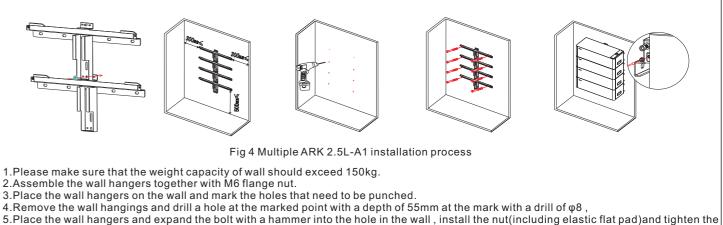




### Note:

Single/multiple battery are installed on the wall and the installation angle required above. The number of wall-mount installations should not exceed four.

## 2.2.Installation procedure



nut with a wrench.

6.Hang the ARK 2.5L-A1 on the wall hangers.

7.Adjust the battery level with M6 external hexagon torque wrench.

8.Install the safety screws (M4x10 Combination screw) on both sides of all modules.

## **3.** Floor installation with base

### 3.1 Installation Location Requirements

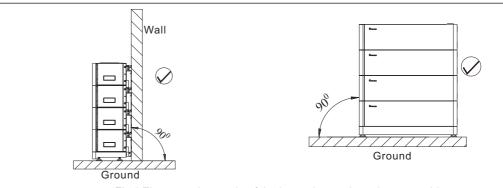


Fig 5 The mounting mode of the base shown above is acceptable

1. If the battery is mounted with a base, The mounting mode of the base shown above is acceptable.

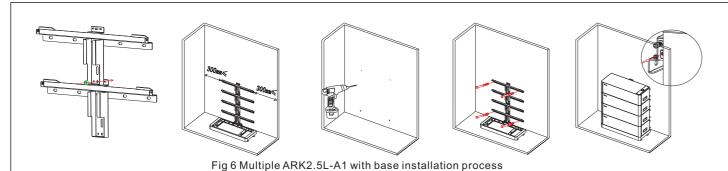
2. Wall hangers with fewer screws are required as well, which is shown in figure6.

3. If more than 4 batteries are used, base mounting is recommended.

4. For floor installation, we recommend that the number of the stacked battery modules is no higher than six.



### 3.2.Installation procedure



1. Assemble the wall hangers together with M6 flange nut.

2. Place the mounting base where you want the battery to be mounted.

3. Place the wall hangers on the wall and match the base.

4. Mark the holes that need to be punched; Noted that only two ends of the top wall hanger and the bottom wall hanger need to be marked. 5. Remove the wall hangings and the base and drill a hole with a depth of 55mm at the mark with a drill of  $\varphi 8$ .

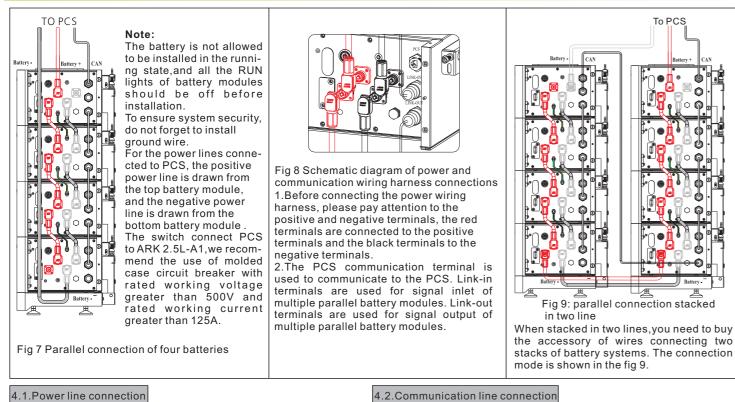
6.Expand the bolt with a hammer into the hole in the wall, place the wall hangers and based, install the nut(including elastic flat pad)and tighten the nut with a wrench.

7.Hang the ARK2.5L-A1 on the wall hangers.

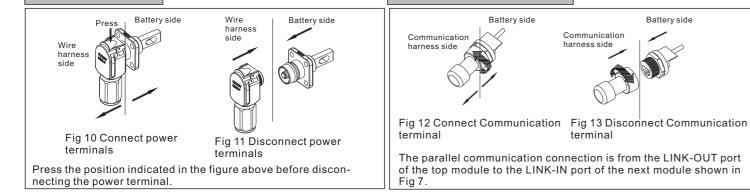
8. Adjust the battery level with M6 external hexagon torque wrench.

9.Install the safety screws(M4x10 Combination screw) on both sides of top module.

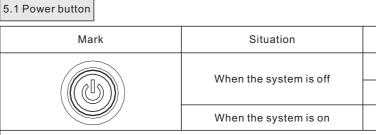
4. Electrical wiring



#### 4.1.Power line connection



## 5. Key operation



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 of the keys to shut down the battery system.

### 6. Service and contact

### Shenzhen Growatt New Energy Co., Ltd.

2F and 3F, Building 4, Jiayu Company Industrial Park, Xibianling, Shangyu Village, Shiyan Street, Bao'an District, Shenzhen

**T** +86 0755 2747 1942

E service@ginverter.com

W www.ginverter.com

Battery side

terminal

Touch	Definition
Press(≤2S)	No reaction
Press(≥2S)	Power on
Press once	Shut down



