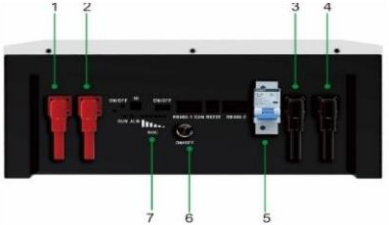
1.**Product features**



①	Battery positive
②	Battery positive
③	Battery cathode
④	Battery cathode
⑤	Circuit breaker
⑥	Battery switch
⑦	Electric quantity indicator light

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2. Installation Instructions

Before installation, please read this manual carefully and be familiar with the installation steps：

1. Avoid placing metal objects near the battery to prevent short circuit of the battery.

2. Improperly connected connections and corroded wires can generate huge amounts of heat, melting the insulation of the wires, burning the surrounding materials and even starting a fire. Therefore, ensure that the connectors are tightly secured and cables are secured with cable ties to avoid cable shaking during mobile applications.

3. During outdoor installation, direct sunlight and rainwater infiltration shall be avoided.

4. It is forbidden to reverse connect the positive and negative electrodes of the battery, otherwise the equipment may be damaged or unpredictable danger may occur.

5. The battery wiring must use the product distribution cable or the wire diameter of 25mm ^{2} / 4 AWG wire. If the distance between the battery and the inverter is far, the use of thicker wire can reduce the voltage drop to improve the system performance.

3. Installation steps

1: Determine the installation position, use the product distribution bracket and bolts to fix the bracket, put the battery into the bracket according to the chute position, and ensure that the bolts and battery are firmly installed.

2: After ensuring that the battery is firmly installed, turn off the battery power supply, remove the insulation sheath of the positive and negative electrodes of the battery, and use the distribution cable of this product to connect with the positive and negative electrodes of the battery and the matching inverter. When connecting, pay attention to whether the positive and negative electrodes of the battery are connected reversely. The OT terminal must be firmly pressed and cannot be loosened to prevent excessive heating caused by excessive contact impedance.

3: After confirming that the wiring sequence is correct and firm, install the positive and negative pole insulation sheath, turn on the battery switch and the matching inverter switch, and finally turn on the AC load one by one after the AC output is normal.

4. Function Description

4.1 LED display

The main menu page:

After the electricity/dormant activation, the welcome interface will be displayed, and press the menu key to enter the main menu page.

Key function description:

MENU: Menu key. Press this key to enter the management system

ENTER: Confirm key. Press this key to enter

▼ : Press the select button and the cursor will turn down the page

ESC: Return key. Press this key to return to the previous menu

》: indicates that there are submenus in the ENTER key

Sleep/Shutdown:

Under normal operation, the system will enter hibernation/shutdown state after 1 minute of keyless operation. In the shutdown/sleep state, operate any key, and the display screen will activate

LED working status indication(Table 1)

System state	Normal/Alarm/Protection	RUN	ALM	Electricity LED	Description
					
Shutdown	Dormant	Extinguish	Extinguish	All extinguished	
Standby	Normal	Flicker 1	Extinguish	Display according to electricity quantity	Standby mode
	Alarm	Flicker 1	Extinguish		Temperature alarm ALM Flicker 3
Charge	Normal	Flicker 2	Extinguish		
	Alarm (not containing temperature)	Flicker 2	Extinguish		Temperature alarm ALM Flicker 3
	Overcharge protection	Flicker 1	Extinguish		Overcharge protection ALM extinguish
	Over temperature, under temperature and over current protection	Flicker 1	Flicker 2		
	Current limiting charging	Always bright	Extinguish		
Discharge	Normal	Always bright	Extinguish		
	Alarm	Always bright	Flicker 3		Discharge over-current alarm ALM extinguish
	Over discharge protection	Flicker 1	Extinguish		Over-discharge protection ALM extinguish
	Over temperature, under temperature, over current, short circuit and reverse connection protection	Flicker 1	Flicker 2		
Fail	Fault	Extinguish	Always bright	All extinguished	Faults refer to hardware faults such as damage of BMS voltage sampling device and charging MOS, disconnection of temperature sensor, etc.

LED Flicker description(Table 1.1)

Flicker mode	Bright	Extinguish
Flicker 1	0.25 S	3.75 S
Flicker 2	0.5 S	0.5 S
Flicker 3	0.5 S	1.5 S

Capacity indicator light description(Table 2)

State	Charge						Discharge					
Capacity indicator light	L1●	L2●	L3●	L4●	L5●	L6●	L1●	L2●	L3●	L4●	L5●	L6●
0~16.6%	Always bright	Extinguish	Extinguish	Extinguish	Extinguish	Extinguish	Always bright	Extinguish	Extinguish	Extinguish	Extinguish	Extinguish
16.6~33.2%	Always bright	Always bright	Extinguish	Extinguish	Extinguish	Extinguish	Always bright	Always bright	Extinguish	Extinguish	Extinguish	Extinguish
33.2~49.8%	Always bright	Always bright	Always bright	Extinguish	Extinguish	Extinguish	Always bright	Always bright	Always bright	Extinguish	Extinguish	Extinguish
49.8~66.4%	Always bright	Always bright	Always bright	Always bright	Extinguish	Extinguish	Always bright	Always bright	Always bright	Always bright	Extinguish	Extinguish
66.4~83.0%	Always bright	Always bright	Always bright	Always bright	Always bright	Extinguish	Always bright	Always bright	Always bright	Always bright	Always bright	Extinguish
83.0~100%	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright	Always bright

5. General Notes

To ensure the correct use of the battery, please read this detail carefully before use

5.1 Do not approach and place batteries in the fire.

5.2 Place the battery where children are not easy to contact.

5.3 Do not disassemble, crush or pierce the battery.

5.4 Do not soak the battery in water.

5.5 Avoid too much physical impact and vibration of batteries.

5.6 Do not connect the battery positive and negative electrode in use.

5.7 Avoid short circuits of batteries.

5.8 Do not exceed the prescribed maximum discharge current. Too large current discharge will cause the capacity to be smaller and the battery will heat up.

5.9 The battery is over -discharged in a short time, and then charging immediately will not affect the use of the battery, but if it is over -discharge for a long time, it will cause the battery performance and the loss of battery function. The battery is not used for a long time. To prevent the battery from discharging, the battery should maintain a certain amount of electricity.

5.10 The battery should be stored in the specified temperature range. If the storage time is more than six months, it is recommended to charge the battery.

6. Accessories

NO.	Name	Specifications	Quantity	Remarks
1	Sheet metal parts for wall hanging	/	1	Including screws
2	Wrench	Inner hexagon spanner 5.0mm	1	
3	Cable	Black silicone line, 4#/L1000mm, one end with SC25-8 copper terminal	1	Negative pole of the battery and the inverter connection cable
4	Cable	Red silicone line, 4#/L1000mm, one end with SC25-8 copper terminal	1	The battery positive and inverter connection cable
5	Communication line	RJ45 crystal head /8P8C cable /L1500mm	1	Used for battery and inverter communication