



Meaningful Innovation.

WEEE Number: 80133970

INSTRUCTION MANUAL

RECHARGEABLE LI -ION BATTERY SYSTEM



10 YEAR
WARRANTY*

SKU	DESCRIPTION
12259	RECHARGEABLE LI-ION BATTERY MODULE 51.2V 206AH -RACKABLE
12260	RACKS FOR 10PCS BATTERIES AND 1PC BMS
12261	HIGH VOLTAGE BATTERY CLUSTER CONTROL BOX WITH COM AND POWER CABLES

INTRODUCTION

Thank you for selecting and buying V -TAC Product. V-TAC will serve you the best. Please read these instructions carefully & keep this user manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best.



MULTI-LANGUAGE MANUAL QR CODE

Please scan the QR code to access the manual in multiple languages.



FR

Les piles
et batteries
se recyclent

À DÉPOSER
EN MAGASIN



À DÉPOSER
EN DÉCHÈTERIE



OU

Points de collecte sur www.quefairedemesdechets.fr

In case of any query/issue with the product, please reach out to us at: support@v-tac.eu

For More products range, inquiry please contact our distributor or nearest dealers.

V-TAC EUROPE LTD. Bulgaria, Plovdiv 4000, bul.L.Karavelow 9B

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IMPORTANT NOTES

- This product contains battery type "Secondary" (rechargeable).
- Electrical and electronic equipment that has become waste is known as old equipment/device. Old devices must not be disposed of with other household waste.
- Owners of old devices at the end of its service life must return the device by taking them to the collection points set up by public waste disposal authorities or distributors. This return does not entail any costs for you.
- Owners of old devices have an obligation to remove accessible batteries / rechargeable batteries as well as non-destructively removable lamps from the old device prior to return. This does not apply if old devices are being prepared for reuse with the participation of a public law firm.
- Battery removal warning: The battery contained in this product must be removed only by professional personnel only. The battery must never be removed by the end user, if not removed correctly it could damage the battery which could cause fire.
- Batteries removed from an old electronic device should be disposed of separately. This return of battery does not entail any costs for you and the user is obliged to return the battery.
- Please make sure that this product is not powered on when removing the battery. Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery. Please handle the battery with Caution!
- If electrical appliances or batteries are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.



- The symbol of "Crossed rubbish bins" indicates that this product should not be disposed of with other household wastes and must be collected separately from unsorted municipal waste at the end of its service life.
- Please use the link below to view the online directory of the collection and return points: <https://www.ear-system.de/ear-verzeichnis/sammel-und-ruecknahmestellen>



Label for Waste Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU)



Warning electric shock.



1. Important information in the manual

1.1 Scope

The installation and operation manual applies to the modular battery energy storage system. Please carefully read this installation and operation manual to ensure the safe installation, preliminary debugging, and maintenance of OHR-206. Installation, preliminary debugging, and maintenance must be carried out by qualified and authorized personnel. Please keep this installation and operation manual and other applicable documents near the battery energy storage system, so that all personnel involved in installation or maintenance can access this installation and operation manual at any time.

This installation and operation manual only applies to countries meeting the certification requirements. Please observe the applicable local laws, regulations, and standards. Standards and legal provisions of other countries may be inconsistent with the provisions and specifications in this manual. In this case, please contact our after-sales service personnel.

1.2 Description of OHR-206

Model	System energy (kWh)	Rated DC power(kW)	Discharge depth	Composition
OHR105K-206	105.4	51.2	90%	OHR-10.5 *10+OHR-HV250H*1

1.3 Meaning of Symbols

This manual contains the following types of warnings:



Danger! It may cause an electric shock.

Even when the equipment is disconnected from the power grid, the voltage-free state will have a time lag.



Danger! If the instructions are not observed, death or severe injury may

occur.



Warning! If the instructions are not observed, a loss may occur.



Attention! This symbol represents information on the device use.

Symbols on equipment:

The following types of warning, prohibition, and mandatory symbols are also used on the equipment.



Attention! The risk of chemical burns

If the battery is damaged or fails, it may lead to electrolyte leakage, which in turn causes the formation of a small amount of hydrofluoric acid, among other effects. Contact with these liquids can cause chemical burns.

- Do not subject the battery module to severe impact.
- Do not open, disassemble or mechanically change the battery module.
- In case of contact with an electrolyte, wash the affected area with clean water immediately and seek medical advice promptly.



Attention! The risk of explosion

Incorrect operation or fire may cause the lithium-ion battery unit to ignite or explode, leading to serious injury.

- Do not install or operate the battery module in explosive or high-humidity areas.
- Store the battery module in a dry place within the temperature range specified in the data sheet.
- Do not open, drill through or drop the battery cell or module.
- Do not expose the battery cell or module to high temperatures.
- Do not throw the battery cell or module into the fire.
- If there is a fire from the battery, please use the CO2 extinguisher. If there is a fire near the battery, please use a dry powder extinguisher.
- Do not use defective or damaged battery modules.



Caution! Hot surface

- If a malfunction occurs, the parts will become very hot, and touching them may cause serious injury.
- If the energy storage system is defective, please shut it down immediately.
- If the fault or defect becomes obvious, special care should be taken when handling the equipment.



No open fire! It is prohibited to handle open flames and ignition sources near the energy storage system.



Do not insert any objects into the opening in the housing of the energy storage system! No objects, such as screwdrivers, may be inserted through openings in the casing of the storage system.



Wear safety goggles! Wear safety goggles when working on the equipment.



Follow the manual! When working and operating the equipment, the

installation and operation manual provisions must be observed.

1.4 General Safety Information



Danger! Failure to comply with the safety information can lead to life-threatening situations.

1. Improper use can cause death. Operators of OHR-206 must read this manual and observe all safety information.
2. Operators of OHR-206 must comply with the specifications in this manual.
3. This manual cannot describe all conceivable situations. For this reason, applicable standards and relevant occupational health and safety regulations are always given priority.
4. In addition, the installation may involve residual hazards in the following circumstances:
 - Incorrect installation.
 - The installation is carried out by personnel who did not receive relevant training or guidance.
 - Failure to observe the warnings and safety information in this manual.

If there are any questions, please contact V-TAC after service.

1.5 Disclaimer

V-TAC Europe Ltd shall not be liable for personal injury, property loss, product damage and subsequent losses under the following circumstances.

- Failure to comply with the provisions of this manual.
- Incorrect use of this product.
- Unauthorized or unqualified personnel repair the product, disassembly the rack and perform other operations.
- Use of unapproved spare parts.
- Unauthorized modifications or technical changes to the product.

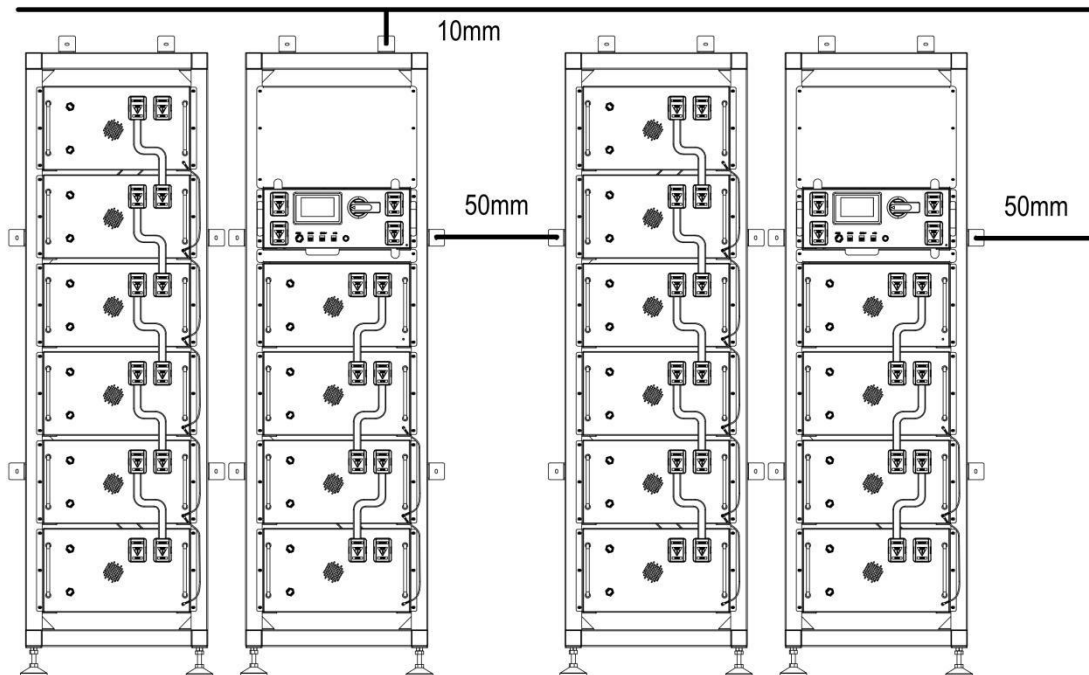
1.6 Installation environment

- The battery energy storage system can only be installed and operated in an enclosed space. The working environment temperature range of OHR-206 is -20°C~ 55°C, and the maximum humidity is 85%. The battery module shall not be exposed to the sun or placed directly beside the heat source.
- The battery module shall not be exposed to a corrosive environment.

- When installing the battery energy storage system, ensure that it stands on a sufficiently dry and flat surface with sufficient bearing capacity. Without the manufacturer's written approval, the installation site's altitude shall not be higher than 2,000 meters. The output power of the battery decreases with the altitude.
- In areas where flooding may occur, care must be taken to ensure that the battery module is installed at a suitable height and to prevent its contact with water.
- The battery energy storage system must be installed in a fireproof room. This room must have no fire source and must be equipped with an independent fire alarm device, which complies with local applicable regulations and standards. According to local applicable regulations and standards, the room must be separated by the T60 fire door. Similar fire-proof requirements apply to other openings in the room (such as windows).

Minimum product installation distance

The minimum distance to the surrounding building when the battery is installed is 10mm, and the minimum distance between the two products is 50mm.



Compliance with the specifications in this manual is also part of proper use.

The use of the OHR-206 system is prohibited in the following circumstances:

- Mobile use on land or in the air (use on water only with the manufacturer's consent and with the manufacturer's written consent).
- Used in medical devices.
- Used as a UPS system.

1.7 Requirements for Installation Personnel

All work shall comply with local applicable regulations and standards.

The installation of OHR-206 can only be completed by electricians with the following qualifications:

- Trained in dealing with hazards and risks associated with the installation and operation of electrical equipment, systems, and batteries.
- Trained on installation and debugging of electrical equipment.
- Understanding and complying with the technical connection conditions, standards, guidelines, regulations, and laws applicable.
- Knowledge of handling lithium-ion batteries (transportation, storage, disposal, hazard source).
- Understanding and complying with this document and other applicable documents.

2. Safety

2.1 Safety rules

To avoid property damage and personal injury, the following rules shall be followed when working on the hazardous live parts of the battery energy storage system:

- It is available for use.
- Ensure that it will not restart.
- Make sure there is no voltage.
- Grounding protection and short circuit protection
- Cover or shield adjacent live parts.

2.2 Safety information

Part damage or short circuit may cause electric shock and death. A short circuit can be caused by connecting battery terminals, resulting in current flow. This type of short circuit shall be avoided under any circumstances. For this reason, follow these instructions:

- Use insulated tools and gloves.
- Do not put any tools or metal parts on the battery module or high-voltage BMS box.
- When operating the battery, be sure to remove watches, rings, and other metal objects.
- Do not install or operate this system in explosive or high-humidity areas.
- When working on the energy storage system, first turn off the charging controller, then the battery, and ensure that they are not turned on again.

Improper use of the battery energy storage system can lead to death. The use of the battery energy storage system beyond its intended use is not allowed, because it may cause great danger.

Improper handling of the battery energy storage system can cause life-threatening risks, serious injury or even death.



Warning! Improper use can cause damage to the battery cell.

- Do not expose the battery module to rain or soak it in liquid.
- Do not expose the battery module to a corrosive environment (such as ammonia and salt).
- The battery energy storage system shall be debugged no later than six months after delivery.

3. Transport to the end customers

3.1 Provisions on Shipping of Battery Modules:

It is necessary to comply with the relevant regulations and provisions on roads for shipping lithium-ion products in the corresponding countries.



It is prohibited to smoke in the vehicle during transportation or in the vicinity during loading and unloading.



The dangerous goods transport vehicles shall meet relevant regulations concerning road transportation and shall be equipped with two tested CO2 fire extinguishers.



It is forbidden for the freight forwarder to open the outer package of the battery module. Use only approved lifting equipment to move the battery cabinet system. Use only the hanging lug on the top of the battery cabinet as the connection point. When lifting, the angle of the sling must be at least 60°.



Improper vehicle transportation can cause injury. Improper transportation or improper transportation locks may cause the load to slip or overturn, resulting in injury. The cabinet shall be placed vertically to prevent it from sliding in the vehicle, and a fixing belt shall be used.



A tilting of the battery rack may cause injury. The maximum weight of a single battery rack of OHR-206 can reach 87.0 kg. When tilted, they may overturn, causing injury and damage. Ensure that the battery cabinet is on a stable surface and that it does not tilt due to load or force.



The battery energy storage system can be damaged, if not properly transported. The battery module can only be transported vertically. Note that these parts may be top-heavy. Failure to follow this instruction may result in damage to the part.



During transportation, the battery storage rack may be damaged when it is installed with the battery module. The battery storage rack is not designed to be transported with the installed battery modules. Always transport the battery module and the battery rack separately. Once the battery module is installed, do not move the battery rack, and do not lift it by a lifting device.



If possible, do not remove the transport packaging before arrival at the installation site. Before removing the transport protector, check if the transport packaging is damaged, and check the impact indicator on the outer packaging of the battery converter. If the impact indicator is triggered, the possibility of transport damage cannot be ruled out.



Improper transportation of battery modules may cause injury. The single battery module weighs 87.0 kg. If it falls or slips, it may cause injury. Only use suitable transport and lifting equipment to ensure safe transport.



Wear safety shoes to avoid the danger of injury. When transporting the battery rack and battery module, their parts may be crushed due to their heavy weight. Therefore, all persons involved in transportation must wear safety shoes with toe caps. Please observe the safety regulations for transportation at the end customer's site, especially during loading and unloading.



During transportation and installation of unpacked battery storage cabinets, the risk of injury increases, especially on sharp metal panels. Therefore, all personnel involved in transportation and installation must wear protective gloves.



The maximum weight of a single rack of OHR-206 can reach 129.0kg. We suggest that at least 2-3 people work together to install the battery rack. The lifting device is helpful for heavy parts, and the pulley or cart for light parts. Be careful not to damage the case. The number of battery modules stacked shall not be more than 6.

Check whether the delivery is complete.

3.2 Permissible and Impermissible Storage Positions of a Packaged Battery Module

The battery module can only be transported in an upright position. Please note that the battery rack may be very top-heavy.

4. Description and installation of OHR-206 battery

4.1 Installation Precautions



WARNING! Possible damage to the building due to static overload

1. The total weight of the battery storage system is 1041kgs. Ensure that the installation site has sufficient bearing capacity.
2. When selecting the installation site, consider the transportation route and necessary site cleanup.

4.2 OHR-206 Product Description

OHR-206 is a high-voltage lithium-ion battery system. It provides a reliable backup power supply for supermarkets, banks, schools, farms and small factories to smooth the load curve and achieve peak load transfer. It can also improve the stability of renewable systems and promote the application of renewable energy.

It is characterized by high integration, good reliability, long service life, wide working temperature range, etc. The battery energy storage system is modular. Each battery module has a capacity of 10.54kWh. It can support up to 16 battery modules in series. Its total energy can be expanded from 31.6 kWh to 168.6 kWh.

4.3 Technical Data

System Model	OHR105K-206
Installation Mode	Racked
Battery Type	LifePO4(LFP)
Battery Module Qty InSeries (Optional)	10
System Nominal Capacity (Ah)	206
System Nominal Voltage (V)	512.0
System Operating Voltage (V)	464.0~576.0
System Nominal Capacity (KWh)	105.4
Usable Capacity (KWh)	94.8
Dimension (mm)	1200*620*1870

Weight (Kg)	1041±2
Recommend Charge/Discharge Current (A)	100
Communicaiton	CAN
Ingress Protection	IP20
Altitude	≤2000m
Cycle Life	25±2°C,0.5C/0.5C,EOL70%≥6000
Monitoring Parameters	System voltage,Current,cell voltage,cell temperature,SOC
SOC	Intelligent algorithm
Working Temperature	0°C~55°C Charge -20°C ~55°C Discharge
Storage Temperature	0~35°C

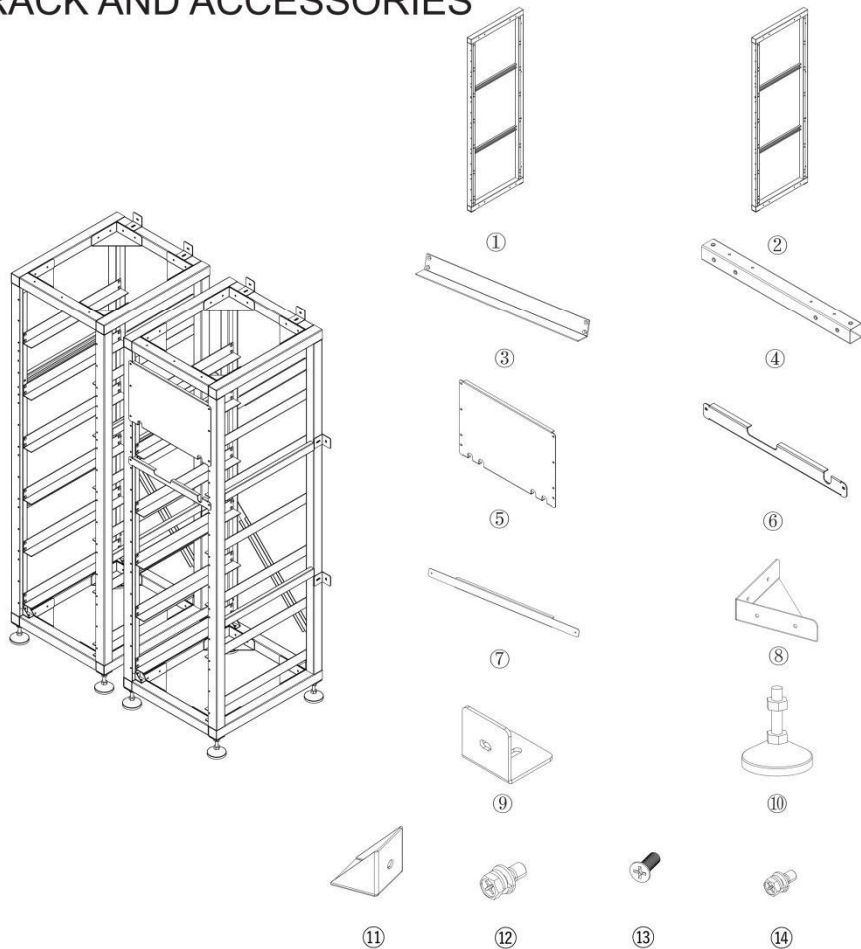
4.4. Preparation

4.4.1 Tools required

- ① PHILIP2# crosshead screwdriver;
- ② 10mm hexagon socket
- ③ 24mm wrench

4.4.2 OHR-5.5U-HRACK-12 Parts description

RACK AND ACCESSORIES



No.	Description	Quantity
①	Side beam L	2
②	Side beam R	2
③	L support crossbeam	22
④	Top and bottom beam	8
⑤	Shield plate A	1
⑥	Shield plate B	1
⑦	diagonal brace	4
⑧	right-angle connectors	16
⑨	Rack fastener	12
⑩	Base	8
⑪	Side beam connectors	16
⑫	M6 hexagonal three combination bolt	148+2
⑬	M6 cross countersunk bolt	88+2
⑭	M5 hexagonal three combination bolt	8+2

4.4.3 Installation of Rack

1. **Step 1:** First, lay Side Beam L (a) flat on a horizontal surface. Install the six L Support Crossbeams one by one from left to right onto Side Beam L (pay attention to the installation direction). Assemble Side Beam R (b) in the same way as (a), and then install the base (i) at the bottom of a and b. Rotate it to the end and tighten it with a wrench.

Note: Use Type m screws for fixing.

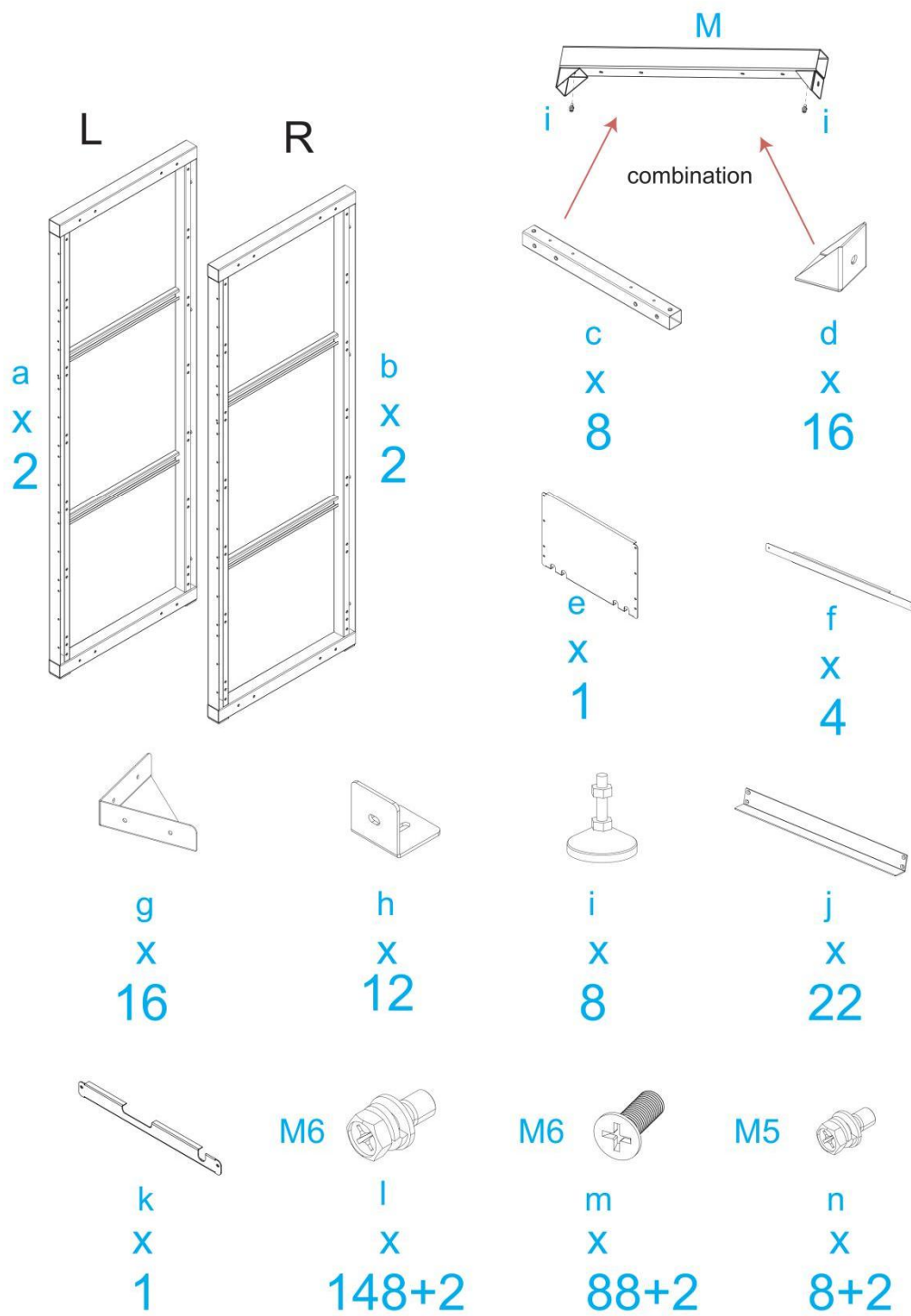
2. **Step 2:** Use Type K screws to fasten c and d (pay attention to the installation direction). A total of 8 sets are required for the two brackets.

3. **Step 3:** Secure the assembled Side Beam L (a) to M using Type I screws in sequence from 1 to 2. After securing all four sets of M, fasten the assembled Side Beam R (b) to the other side of M using Type I screws.

4. **Step 4:** Fix g in the direction shown in the diagram using Type I screws, with 8 screws needed for each bracket. After securing g, fasten f as shown in the diagram using Type I screws. Stand the bracket upright, and install h according to the diagram, with 6 screws needed for each bracket. The other end of h is used to secure it to the wall. Secure flexibly based on actual installation, with a minimum of 4 screws required.

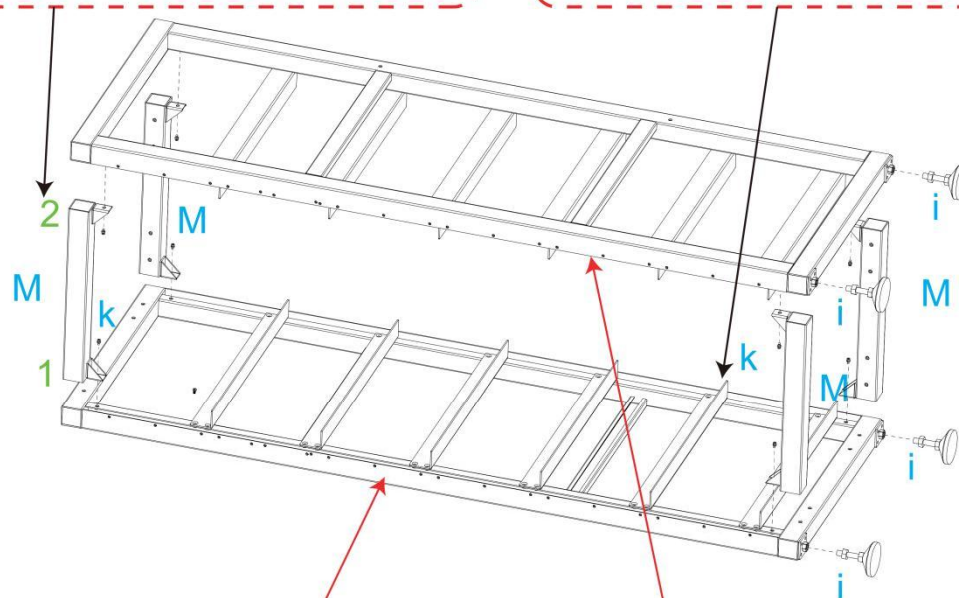
5. **Step 5:** Fifthly, after assembling the battery module bracket, proceed to install the high-voltage box battery module bracket (the installation method is the same as that of the battery module bracket). The difference lies in that the high-voltage box battery module bracket (1) does not have an L support crossbeam on the top layer, and (2) requires the installation of baffle A and baffle B. After installation, stand the bracket upright.

6. **Step 6:** After assembly, check whether the bracket screws are tightened properly. Adjust any screws that are not fully tight.



First of all, the 4 M's tighten the screws in the order identified by 1 and 2 in the picture.

Pay attention to all Louis Zapote Crosbime installation directions



L
combination

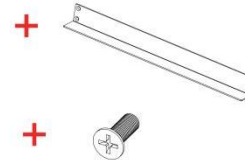


a
x
1

j
x
6

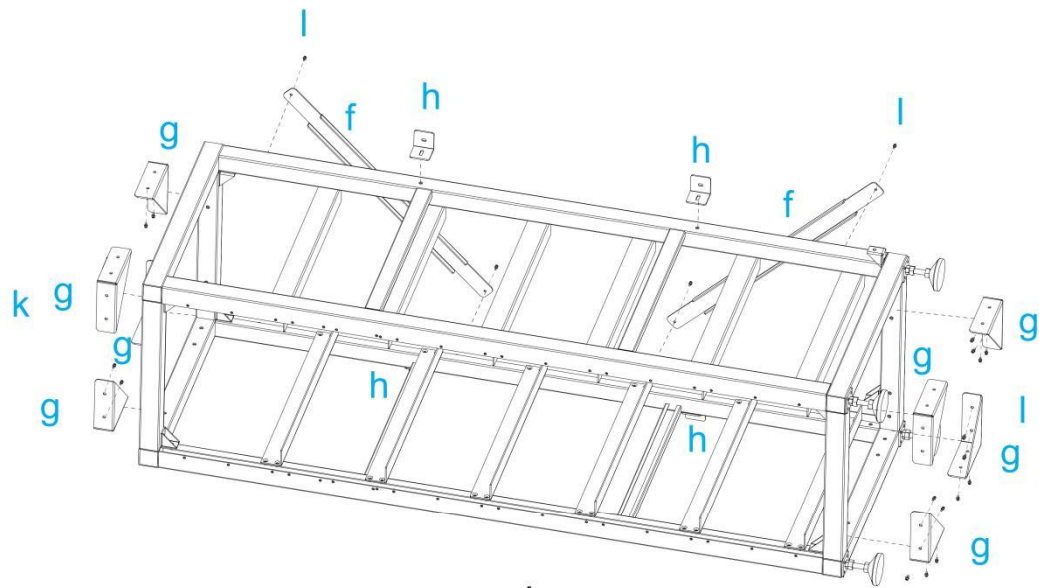


R
combination

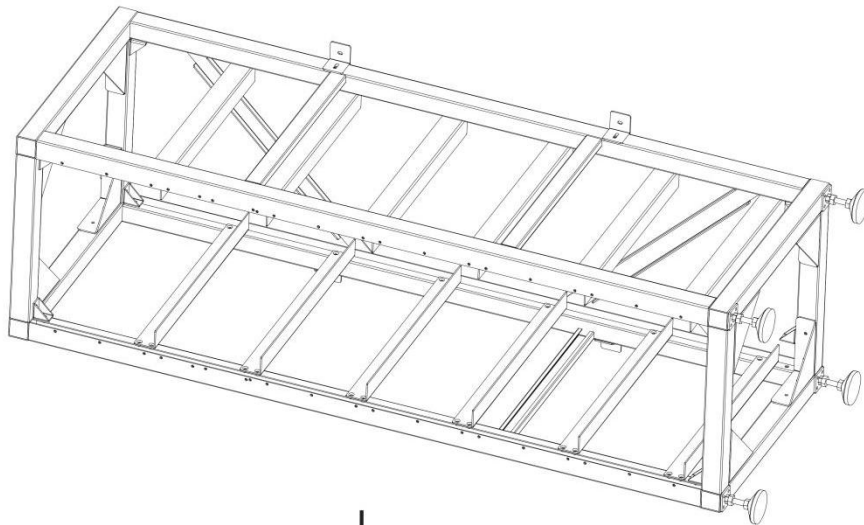


b
x
1

j
x
6

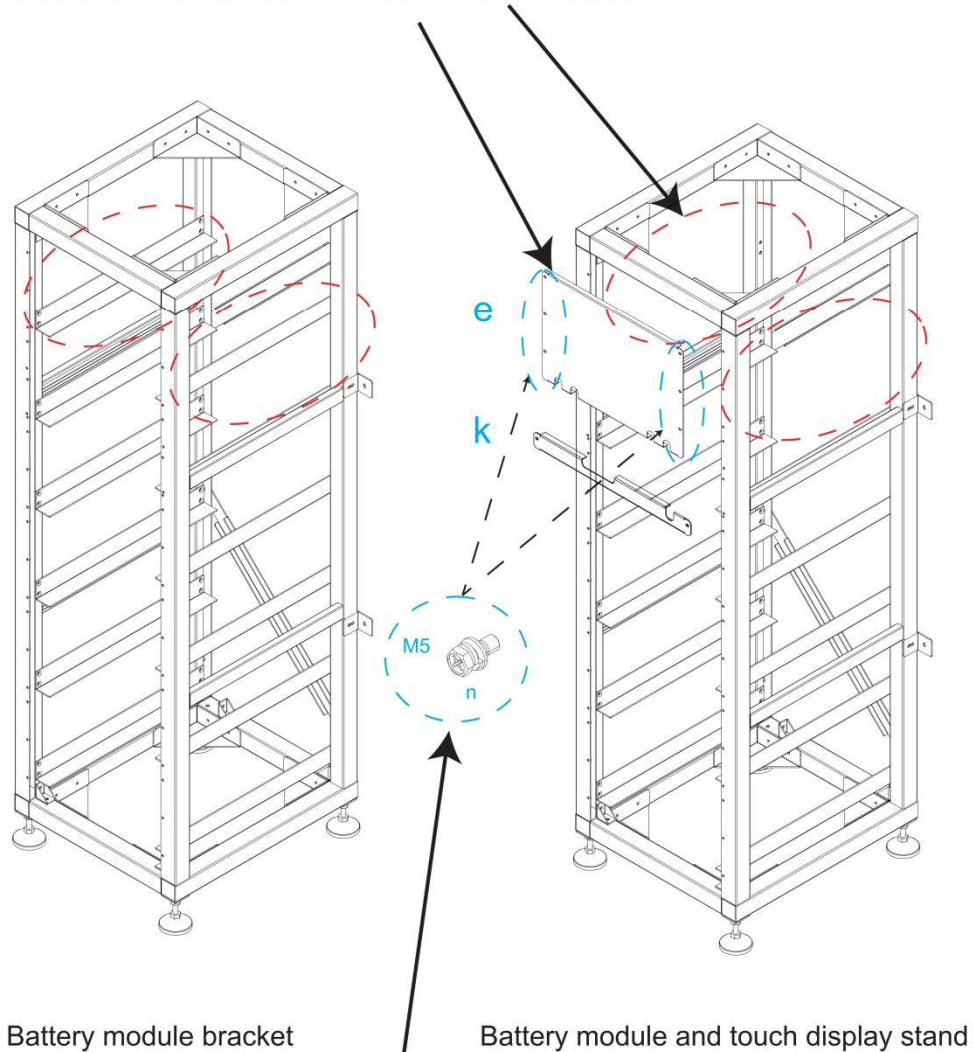


Install g, f, and h sequentially

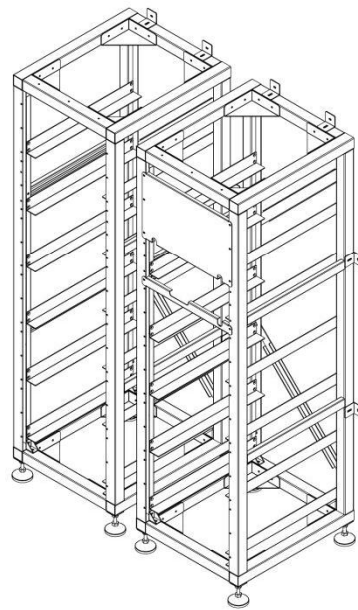
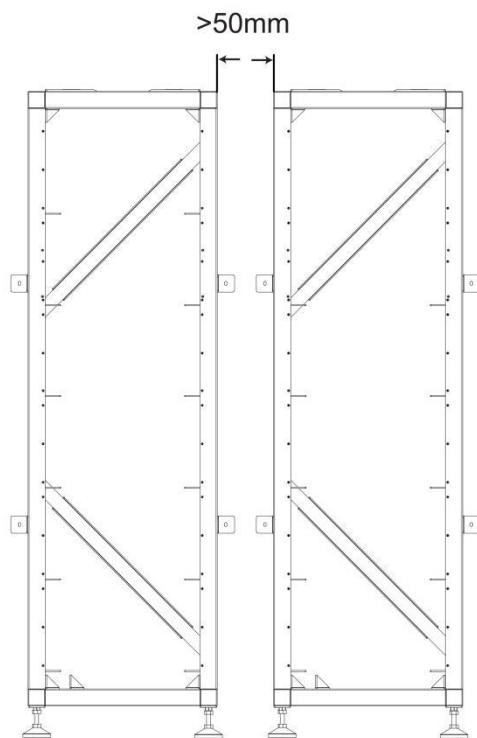


Installation finished, set the rack upright

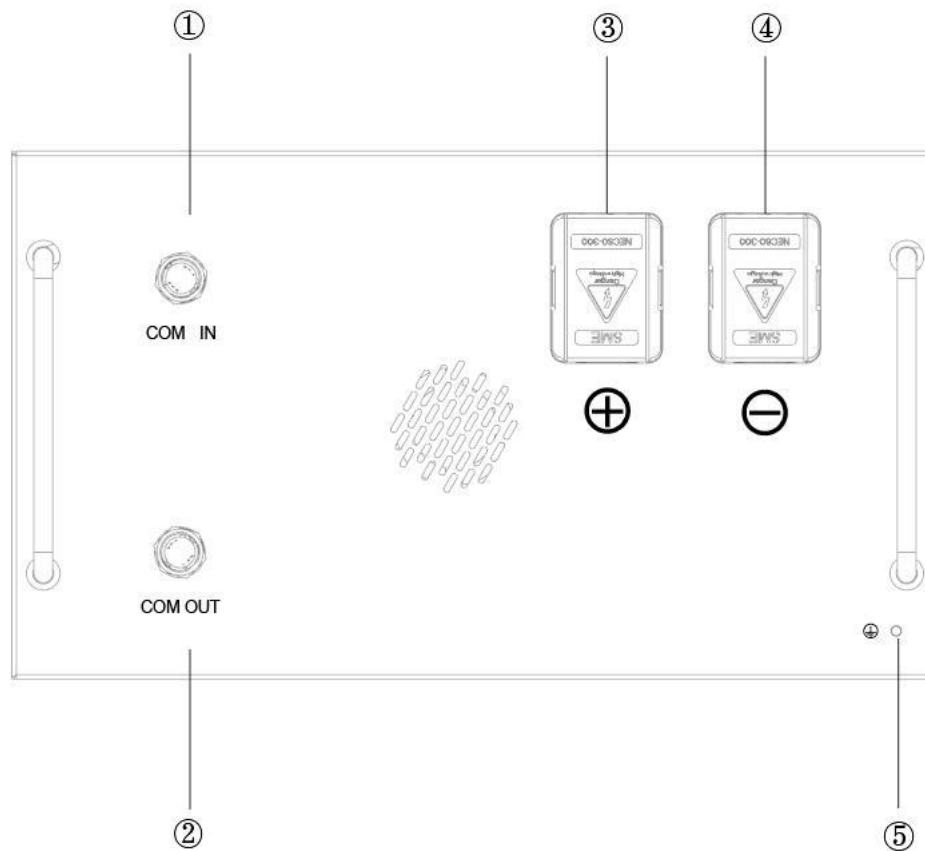
Note: There are two differences between the battery module bracket and the display battery module bracket.
First: the display battery module holder contains the display panel (Inkludin, Tuchsklin).
Second: There is no Louis Saport Crosbeam on the upper layer of the display battery module bracket



Please use M5 hexagonal three combination bolt to fix the display panel

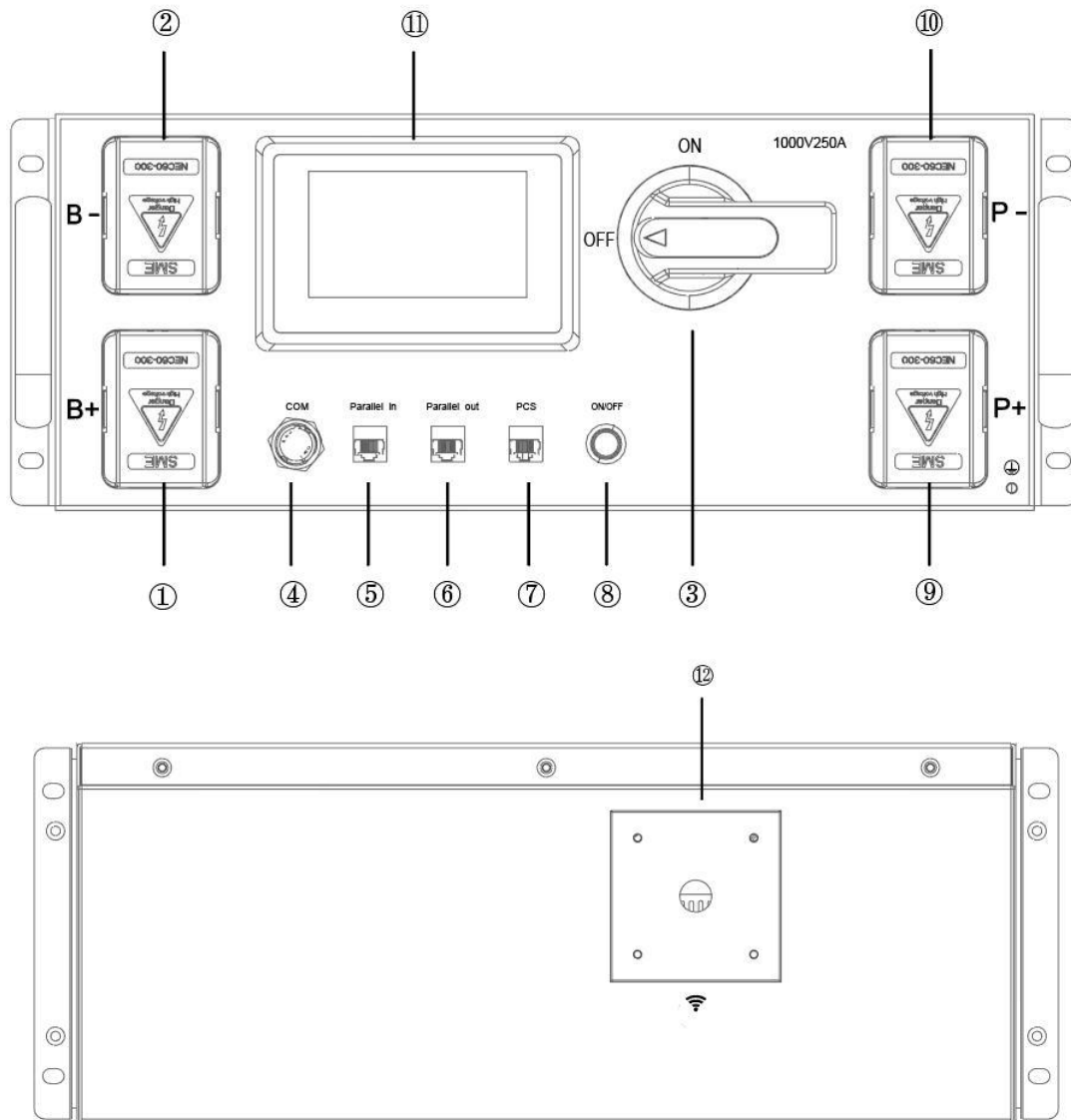


4.5 Description of Battery Module



NO.	Name	Description.	Position
①	COM IN	Connection position of battery module communication supply input or output. Definition: 1:P-IN、2:IM-IN、3:FAN+、4:FAN+、5:FAN-、6:FAN-	Front
②	COM OUT	Connection position of battery module communication and power supply input or output. Definition: 1:IP-OUT、2:IM-OUT、3:FAN+、4:FAN+、5:FAN-、6:FAN-	Front
③	B+	Battery module positive pole (orange)	Front
④	B-	Battery module negative pole (black).	Front
⑤	Earthing wire	Battery module grounding location	Front

4.6 Description of high-voltage BMS box

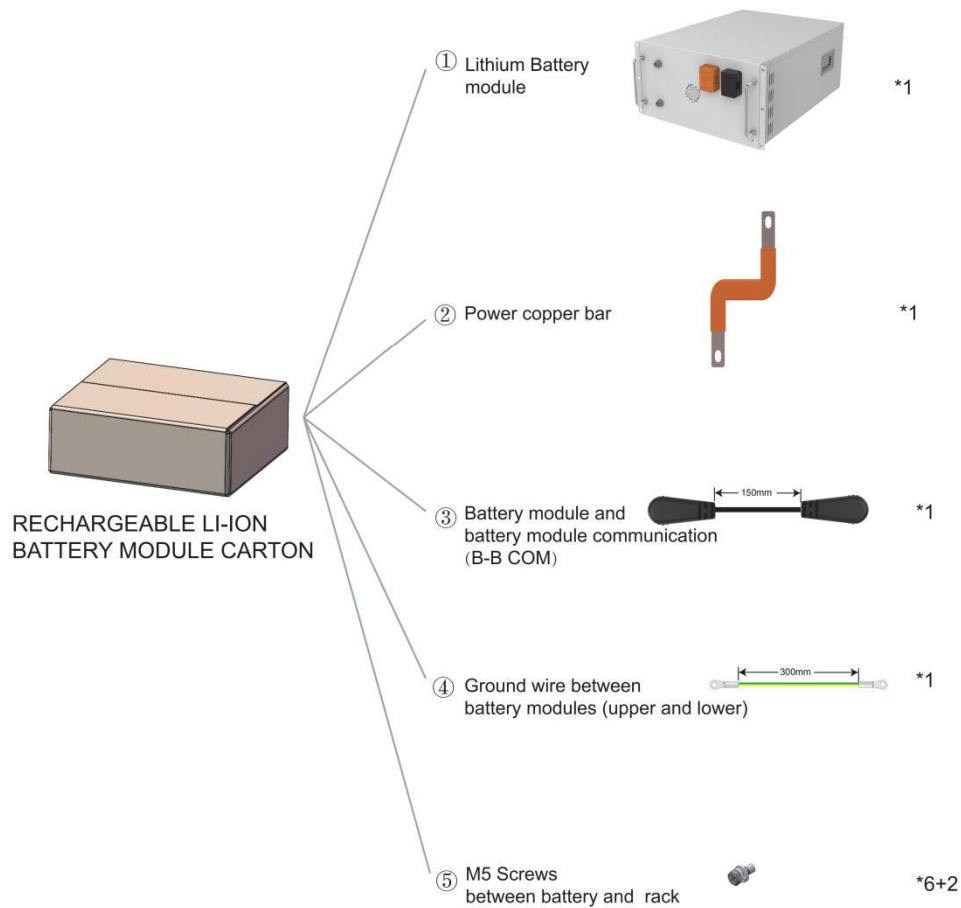


NO.	Name	Description.	Position
①	B+	High voltage box module positive pole (orange)	Front
②	B-	High voltage box module negative pole (black).	Front
③	Air switch	Used to manually control the connection between the battery rack and external devices.	Front
④	COM	Communication port between battery and high-voltage box Definition: 1:ISOPSPI_H、 2:ISOPSPI_L、 3:FAN+、 4:FAN+、 5:FAN-、 6:FAN-	Front
⑤	Parallel in	Parallel communication input port Definition: 1:GND、 2:GND、 3:CAN1G、 4:CAN1H、 5:CAN1L、	Front

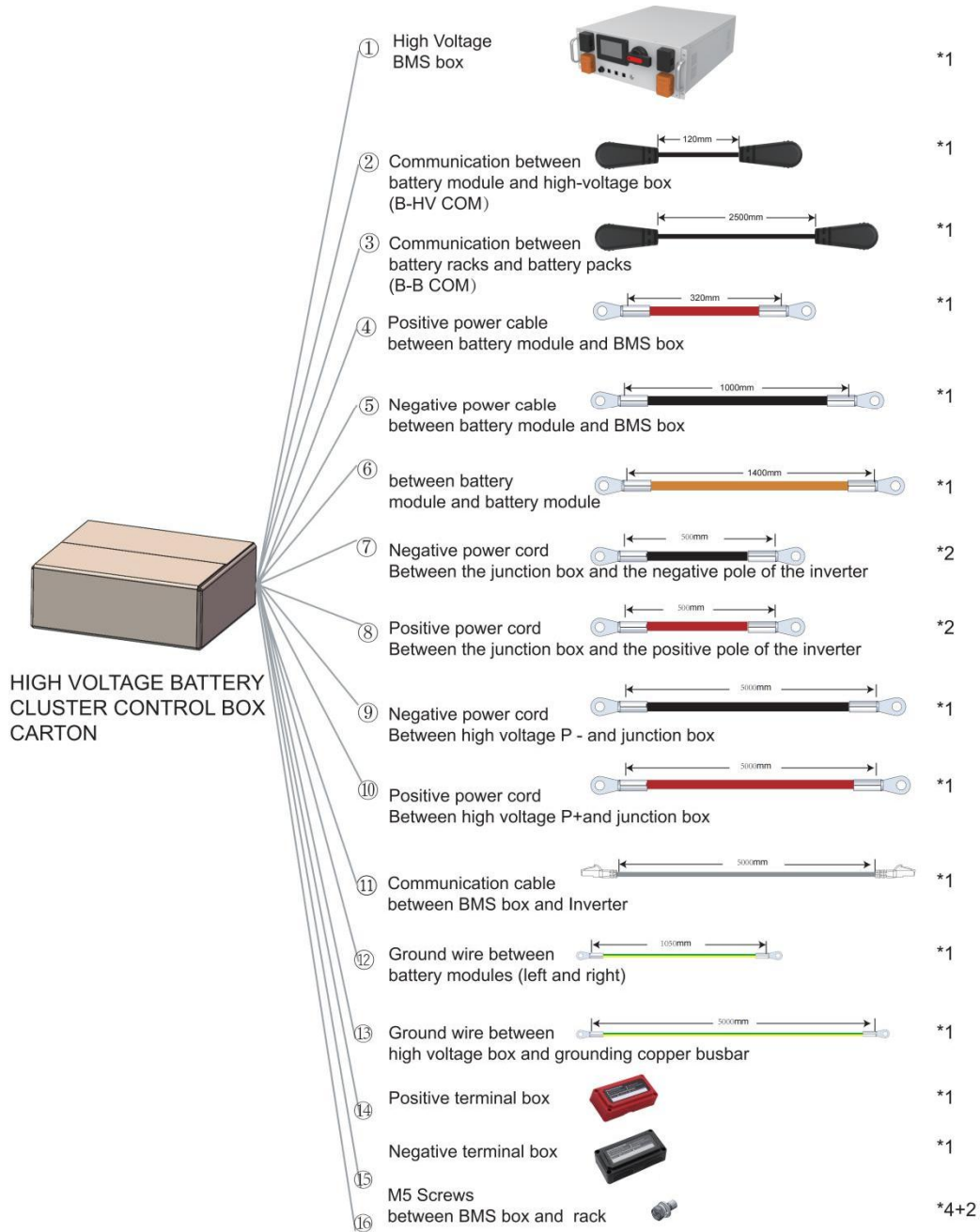
		6:DIG_IN2	
⑥	Parallel out	Parallel communication output port Definition: 1:GND、2:GND、3:CAN1G、4:CAN1H、5:CAN1L、6:HSS1	Front
⑦	PCS	Inverter communication port Definition: 1:RS485A_1、2:RS485B_1、3:CAN1G、4:CAN1H、5:CAN1L、6:RS485G_0、7:DEBUG CANH、8:DEBUG CANL	Front
⑧	ON/OFF	BMS start button and Green indicator light	Front
⑨	P+	Connect the high-voltage box to the positive pole of the inverter	Front
⑩	P-	Connect the high-voltage box to the negative pole of the inverter	Front
⑪	Human-machine interface (HMI)	Display some important battery information.	Front
⑫	Wifi	High voltage box WiFi signal antenna	Rear

4.7 Description of Battery Module in Rack

RECHARGEABLE LI-ION BATTERY MODULE



HIGH VOLTAGE BATTERY CLUSTER CONTROL BOX



4.8 Installation of the Battery Module to the Rack



Insufficient or no grounding may cause an electric shock. Device malfunctions, and insufficient or no grounding may cause device damage and life-threatening electric shocks.



Note: Before installing the battery, please turn the manual switch of the high-voltage control box to the off position.



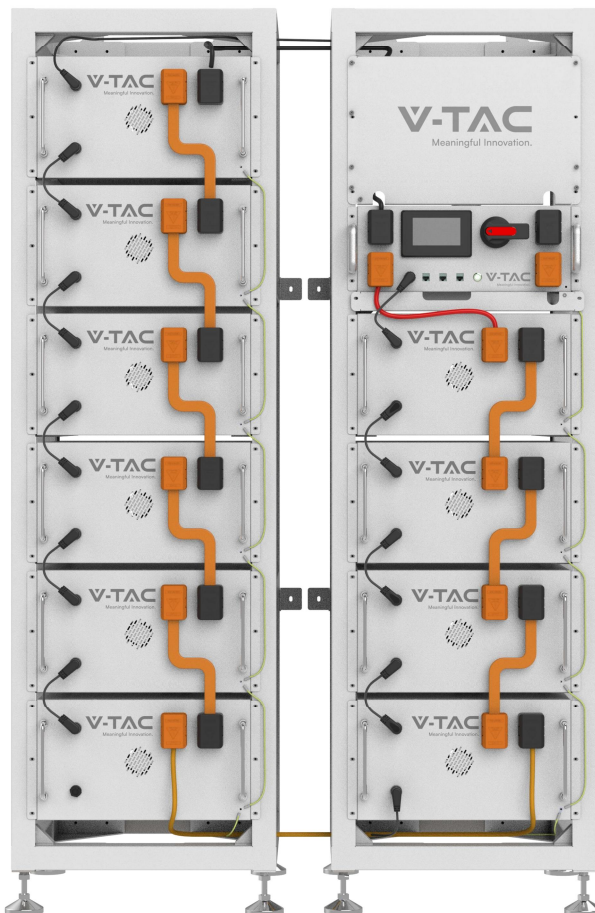
CAUTION

Remember that this battery is heavy! Please be careful when lifting out from the package.



CAUTION

Note the allowable installation modes :

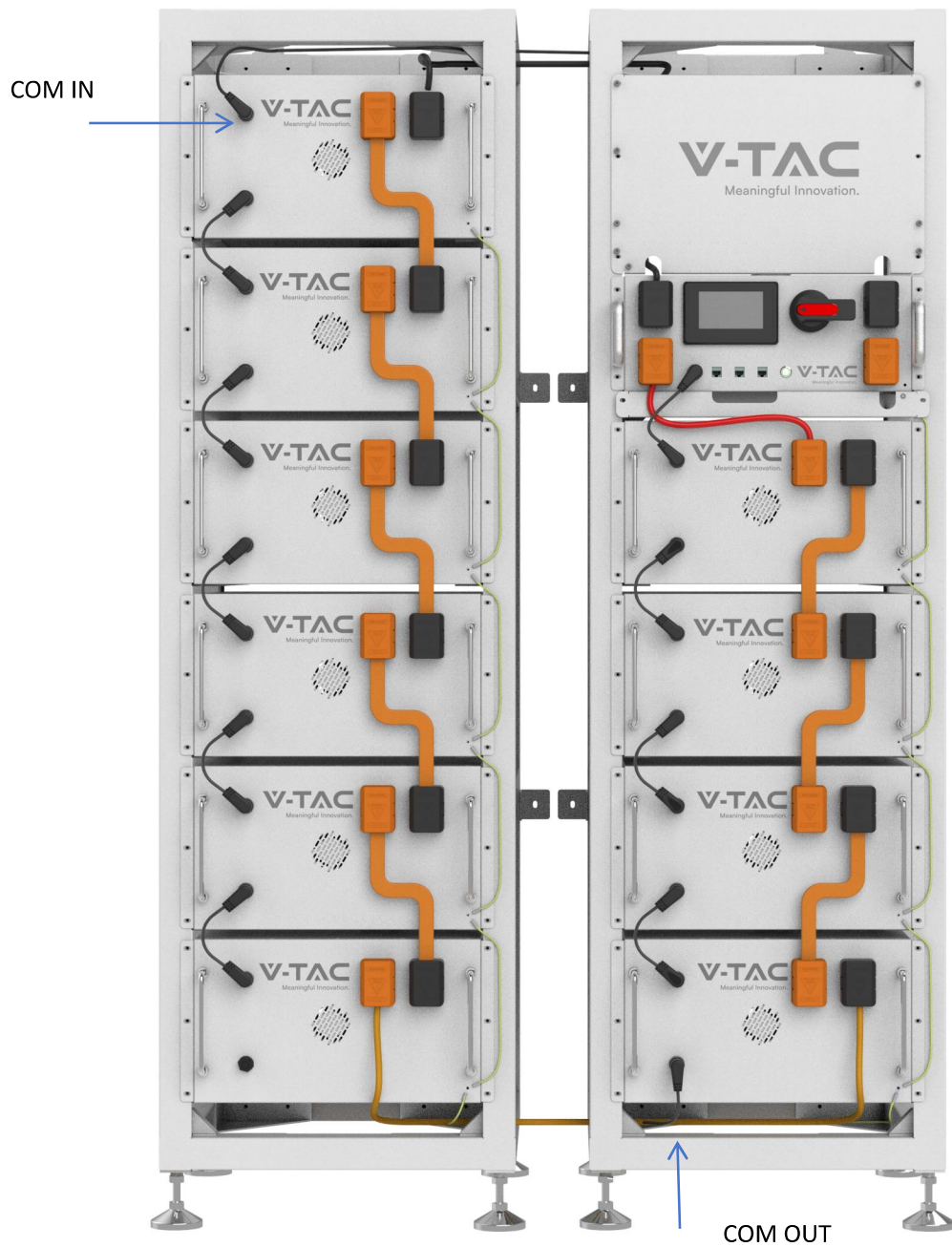


① Insert the first battery module into the bottom battery module holder; Then from the bottom to the top, continue to install in the same way until the battery is installed. In the picture position, insert the high voltage BMS box into the opposite position.

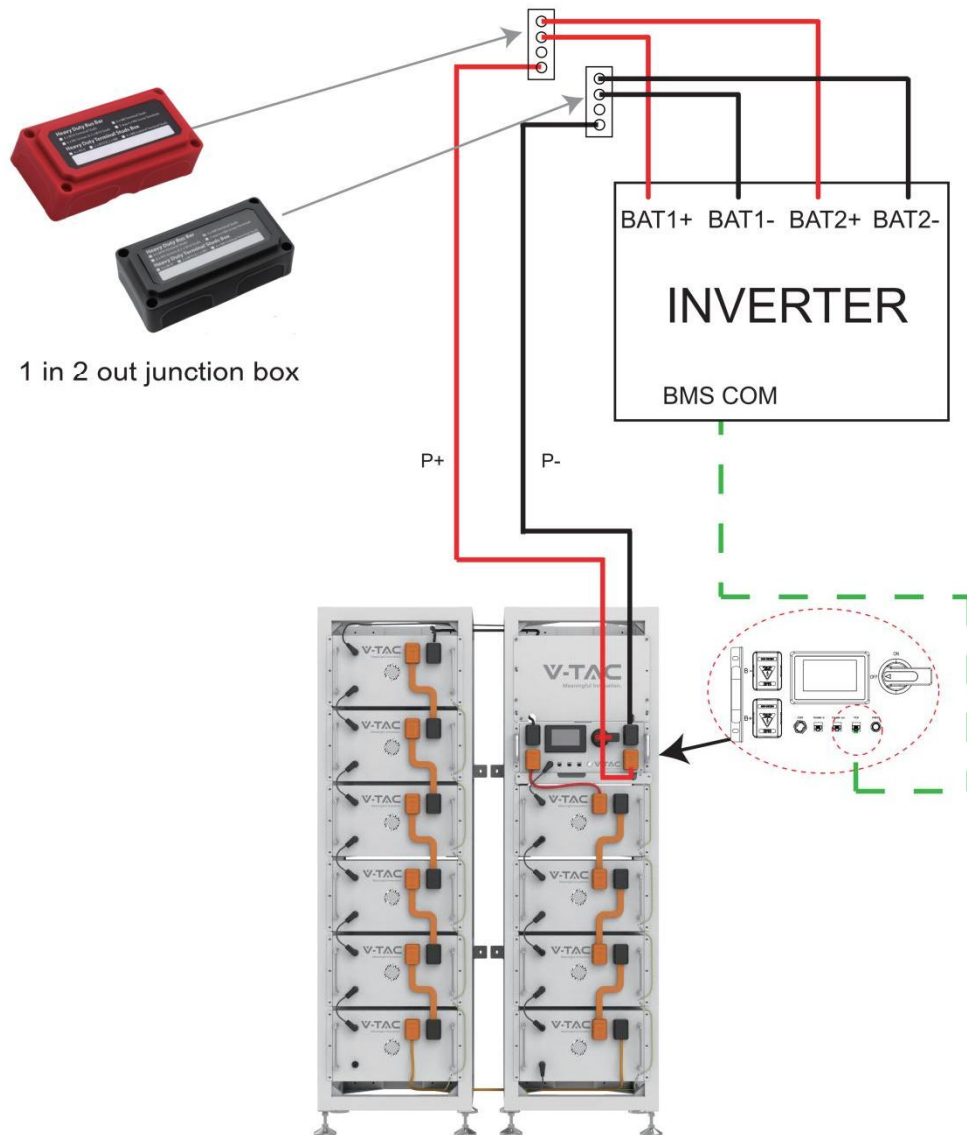
② After the battery module and control box is inserted into the rack, use M5* 12 outer hexagon cross combination screws to fix all the lugs of the battery module and control box on the side beam in turn.

③ Connect bronze, cable, communication harness in turn, and fix.





4.9 Battery cluster connected to inverter



4.10 System startup and shutdown

4.10.1 Startup procedure

- ① After connecting the battery cable, press the BMS start button and wait for the screen to light up..
- ② When the battery pack makes two clicks and the relay ON the display is closed, turn the circuit breaker to ON.
- ③ Complete the startup.

4.10.2 Shutdown procedure

- ① Stop load operation 。
- ② Press the DC circuit breaker ON the high voltage control box and set "On" to "OFF" position 。
- ③ Press the Start button again and wait for the screen to go off 。
- ④ Complete shutdown.

5 OHR'S User Interface

5.1 Main Interface



NO.	Description	Function
1	SOC	Display real-time SOC value of energy storage system
2	Voltage	Display real-time voltage
3	Temperature	Displays the maximum and minimum battery temperatures
4	Voltage	Displays real-time maximum and minimum cell voltages
5	Current	Display battery real-time current
6	System status	Display battery fault name (For details, see Table 5-2)

5.2 Alarm description and processing

When protection mode is activated or system failure occurred, the alarm signal will be given through the system status on the LCD. The network management can query the specific alarm categories.

If the fault such as single cell over voltage, charging over-current, under-voltage protection, high-temp protection and other abnormalities which affects the output, please deal with it according to Table 5-2.

Table 5-2 Main alarm and Protection

Statue	Alarm category	system status	Processing
Charge state	Over-current	Over-current during slow charging	Stop charging and find out the cause of the trouble
	Over-voltage	Cell voltage too high in charge	Stop charging

	High temp	Temperature too high in charge	Stop charging
	Low temp	Temperature too low in charge	Stop charging
Discharge state	Over-current	Continuous over-current	Stop discharging
	Low-voltage	Cell voltage too low in discharge	Stop discharging
	High temp	Temperature too high in discharge	Stop discharging
	Low temp	Temperature too low in discharge	Stop discharging

5.2 Cell Voltage



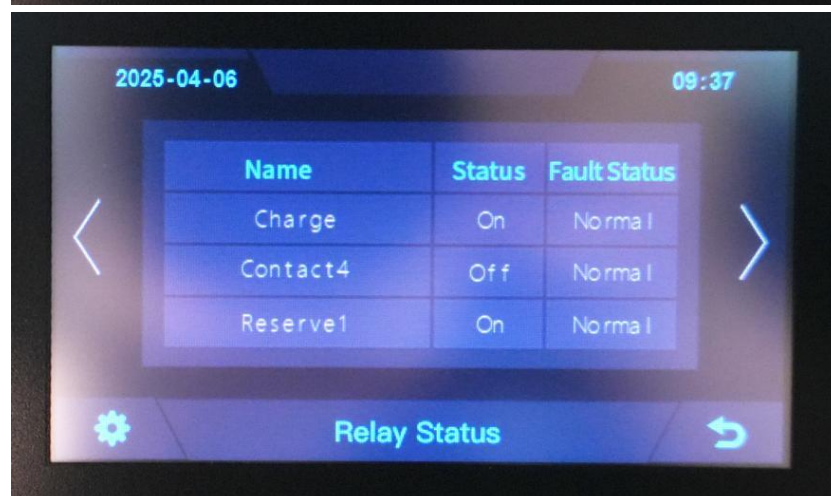
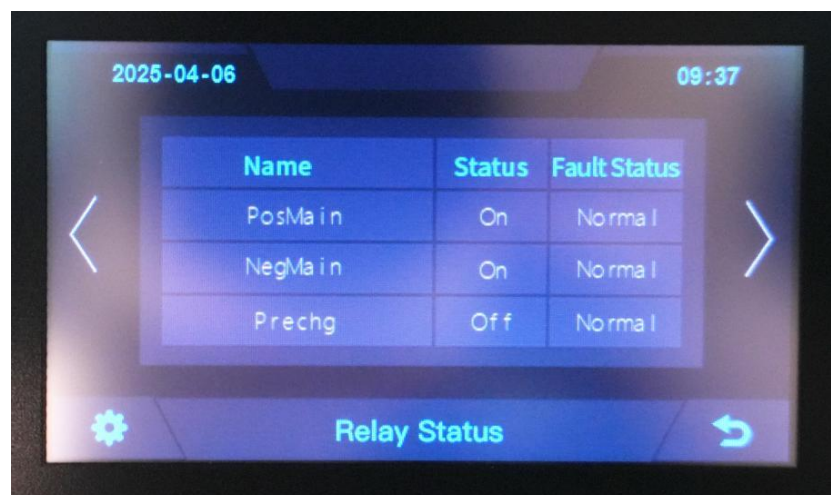
5.3 Cell Temperature

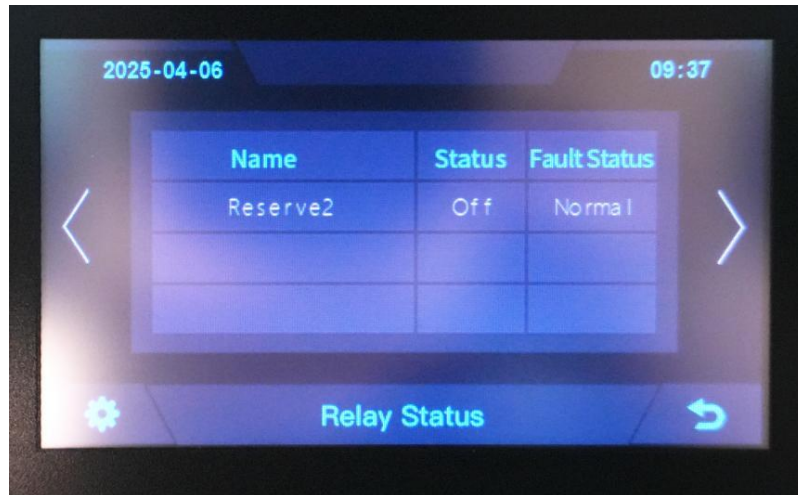


5.4 Heating Temperature



5.5 Relay Status





5.6 Other



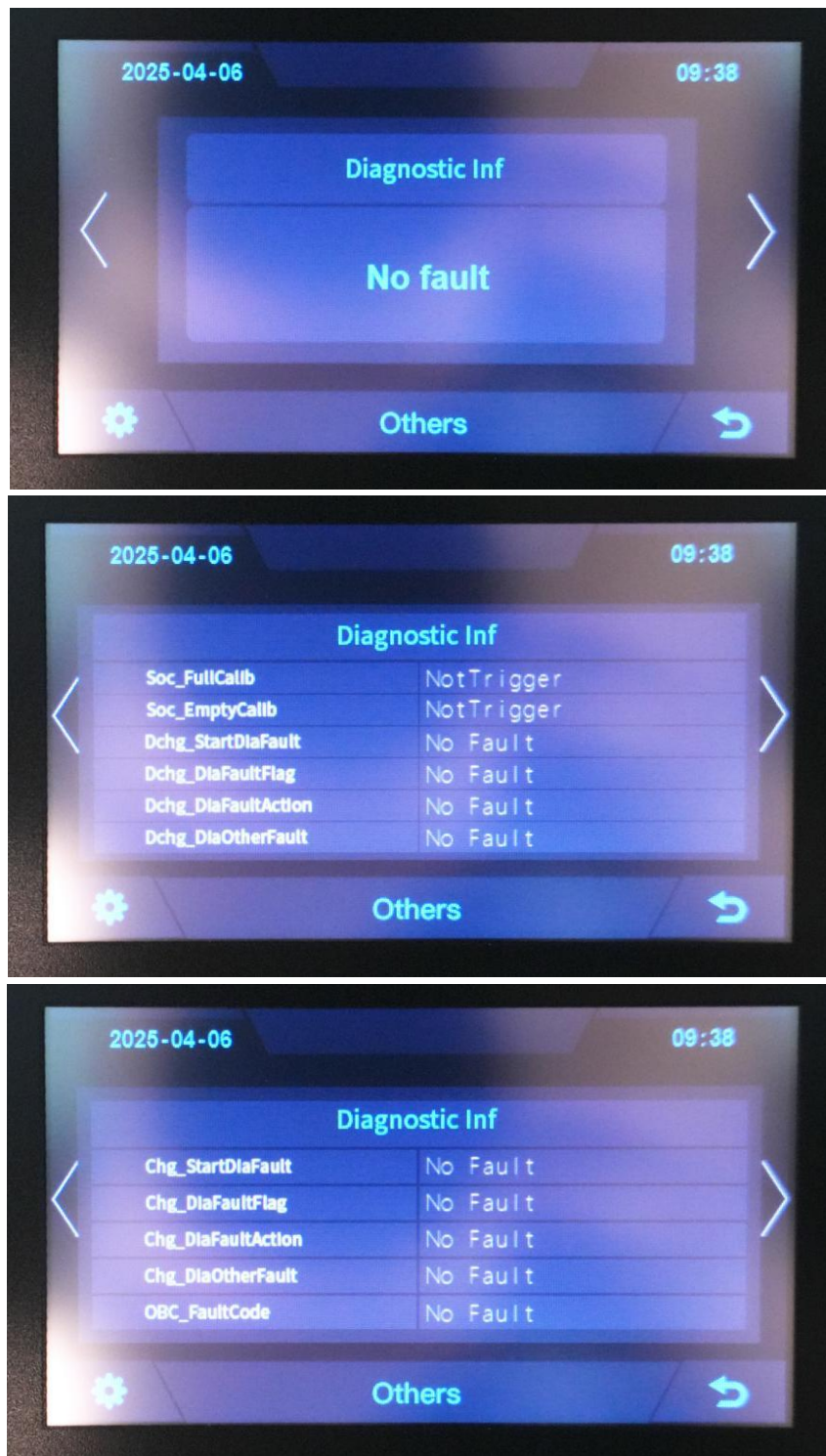
5.6.1 Heating Information



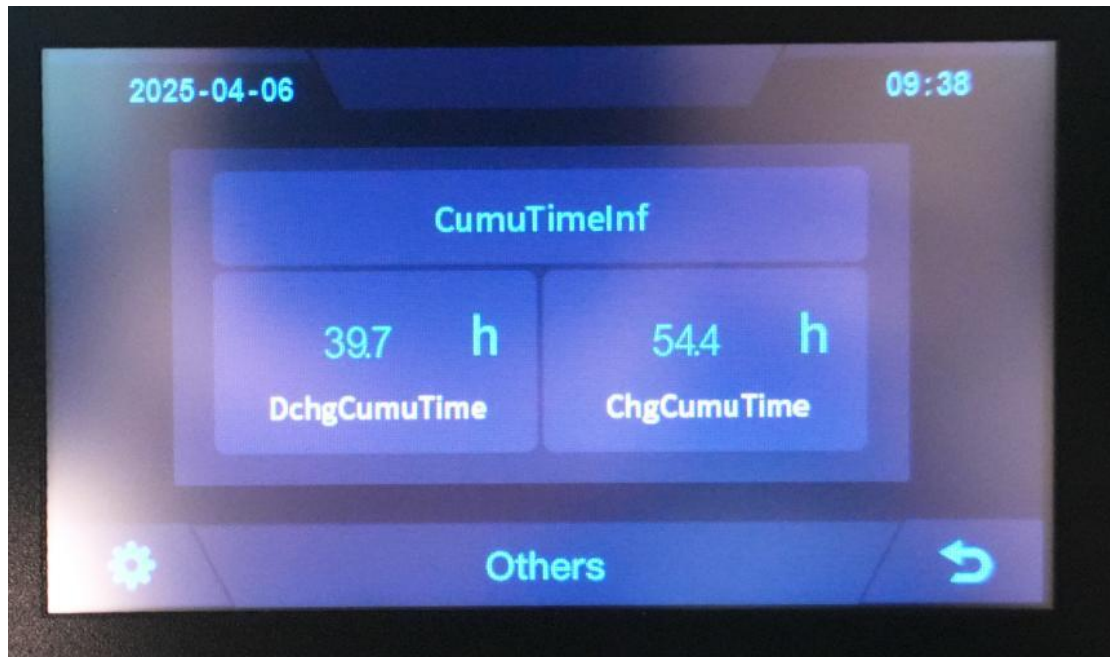
5.6.2 Insulation Resistence



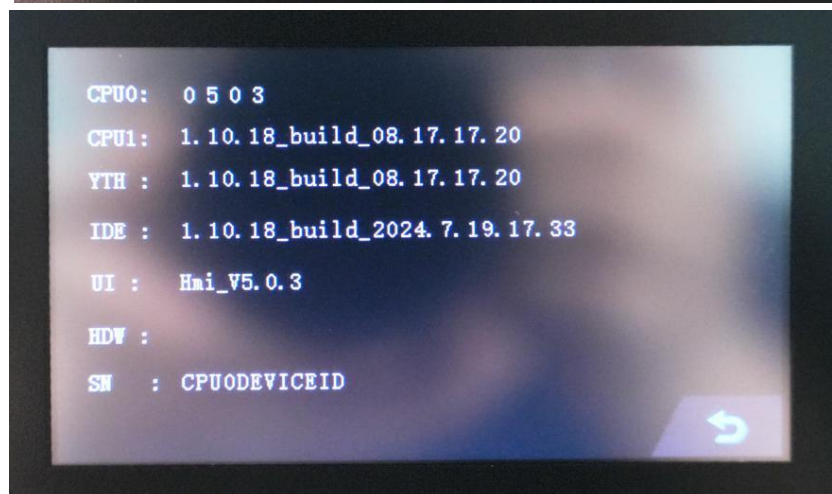
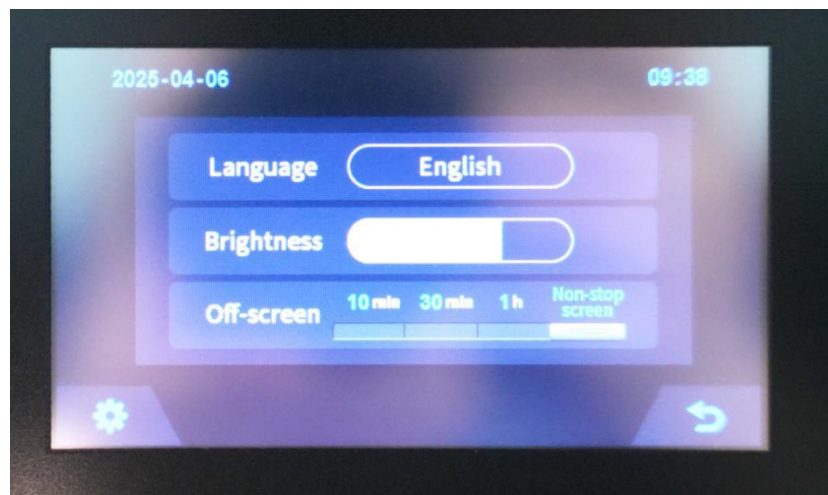
5.6.3 Diagnostic Information



5.6.4 Cumulative Time Information



5.7 Set Up

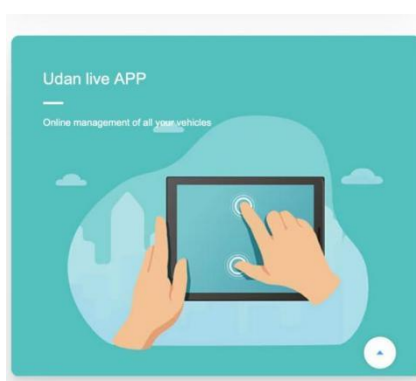
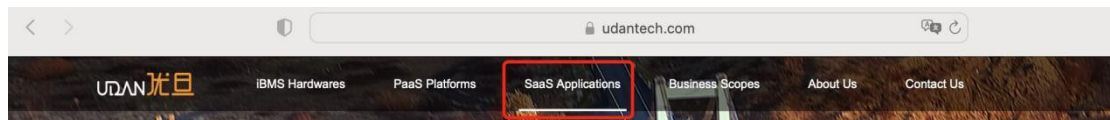


6. Xiaodan Energy Storage App

6.1 App download

6.1.1 Android version

1. Enter the official website of Youdan Technology <https://www.udantech.com/#/> , click on the "SAAS Application" column in the top navigation bar, pull down to the mobile app application module, and you can see the mobile WeChat Mini Program and App application download.



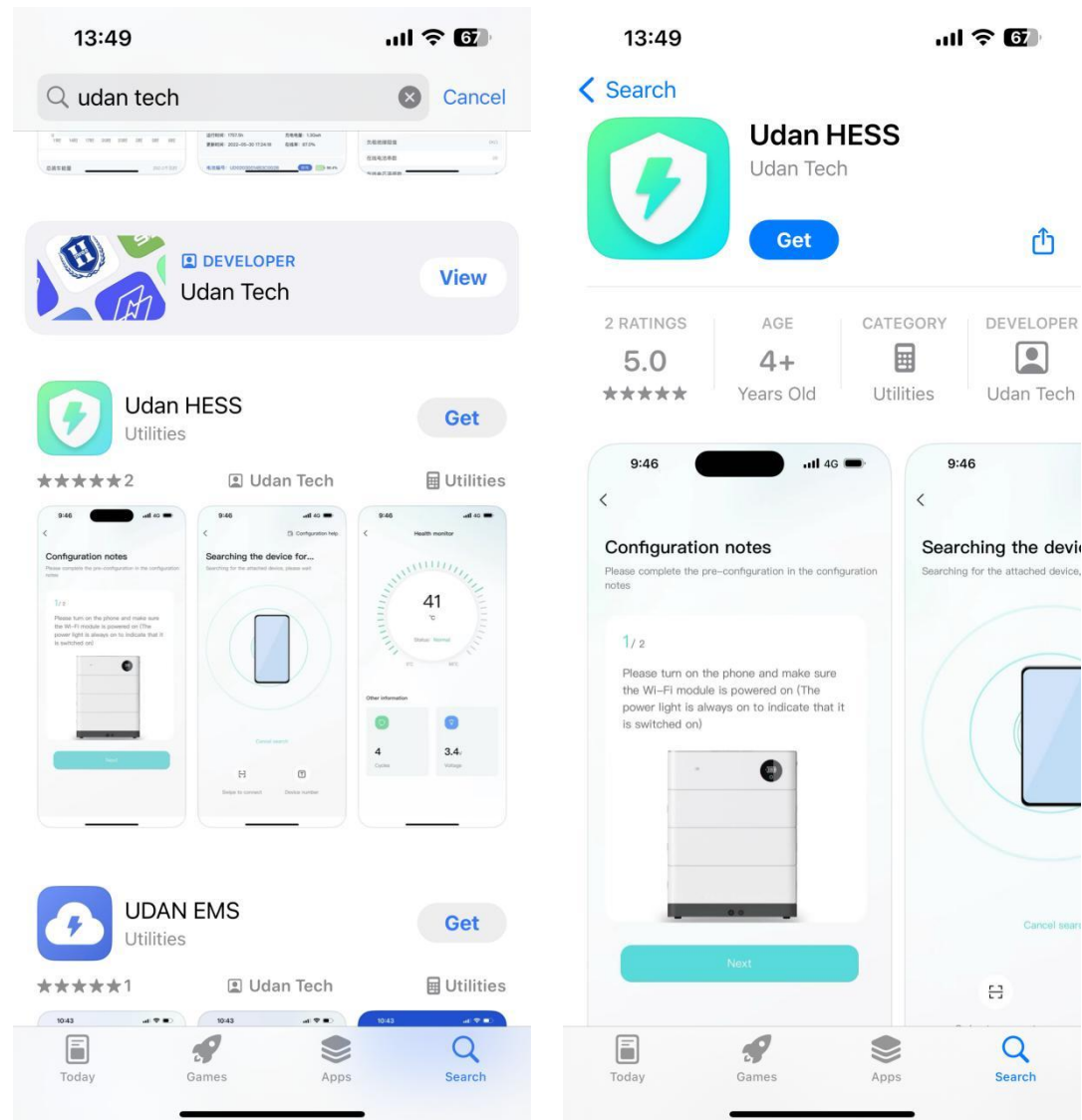
Wechat mini program scan
code experience



APP download

6.1.2 iOS version

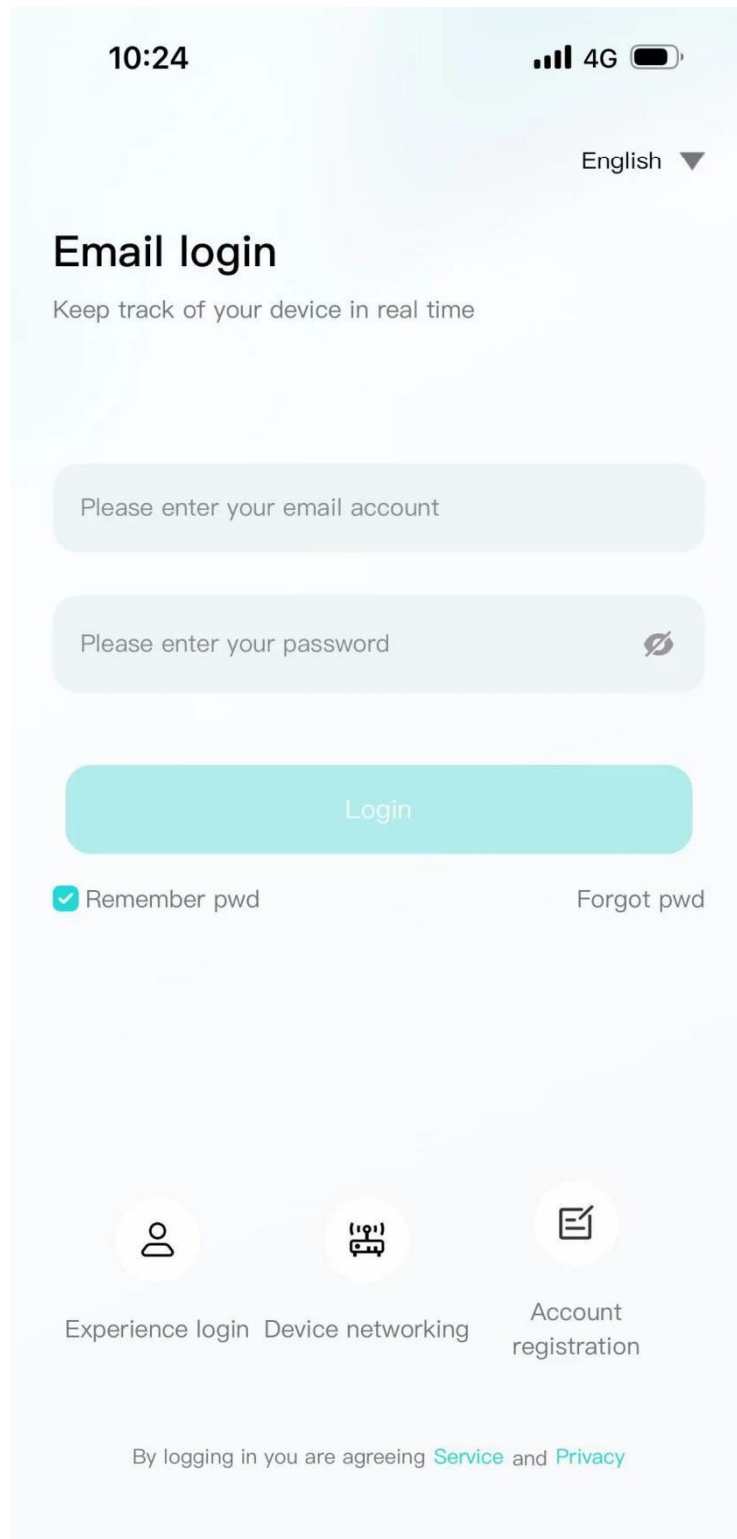
Enter the mobile App Store, search for "Xiaodan Energy Storage", and you can download and install it.



6.2. Log in and register

6.2.1 Log in

- After opening the APP, enter the login interface to log in with your account.
- Currently supports logging in through email accounts



The image shows a mobile application interface for V-TAC. At the top, the status bar displays the time 10:24, 4G signal strength, and battery level. Below the status bar, the language is set to English with a dropdown arrow. The main heading is "Email login" with a subtitle "Keep track of your device in real time". There are two input fields: "Please enter your email account" and "Please enter your password" with a toggle icon. A large teal "Login" button is below the password field. Under the button, there is a checked "Remember pwd" checkbox and a "Forgot pwd" link. At the bottom, there are three circular icons: a person icon for "Experience login", a network icon for "Device networking", and a document icon for "Account registration". At the very bottom, a line of text states "By logging in you are agreeing [Service](#) and [Privacy](#)".

10:24 4G

English ▼

Email login

Keep track of your device in real time

Please enter your email account

Please enter your password

Login

☒ Remember pwd [Forgot pwd](#)

 Experience login  Device networking  Account registration

By logging in you are agreeing [Service](#) and [Privacy](#)

6.2.2 Register

- At the bottom of the login page, click the "Account Registration" button to enter the registration process.

- Currently, you can register with an email account. After registration, you need to go through the device verification process and enter the device SN code or device QR code for identification.

The image displays two side-by-side screenshots of a mobile application interface. The left screenshot, titled 'Account Registration', shows a form with fields for email account, password, and a verification code, along with a 'Get code' button and a 'Next' button. The right screenshot, titled 'Device verification', shows a form for entering product serial number, contact person, contact number, and service address, with a 'Finish' button and a link to 'Try the login experience'.

Account Registration
Please enter your email and password

Please enter your email account

Please enter your password

Enter the code

Get code

Next

Device verification
Please fill in the information of the equipment you purchased

Product serial number *

Please enter the serial number or scan the QR code

The following information is for after-sales use only and for no other purpose

Contact person *

Please enter

Contact number *

It is only used as a contact in case of equipment emergency

Service address *

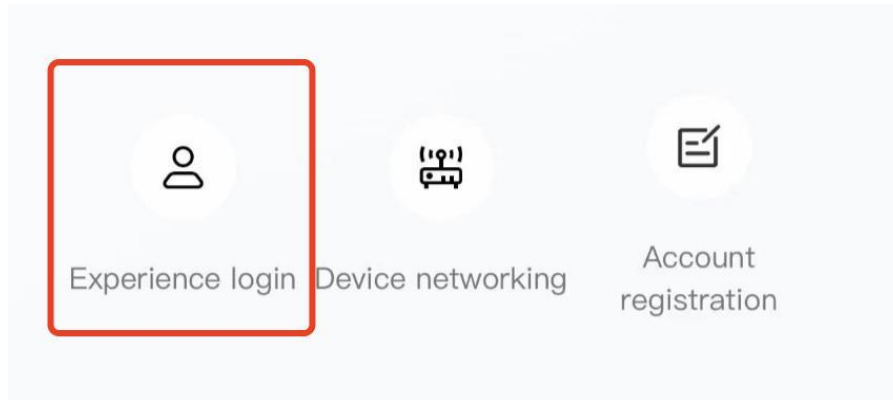
Please enter the address where the device is installed

Finish

No equipment yet? Try the login experience

6.2.3 Experience login

- At the bottom of the login page, click the "Experience Login" button to experience the app function without registration as a tourist.



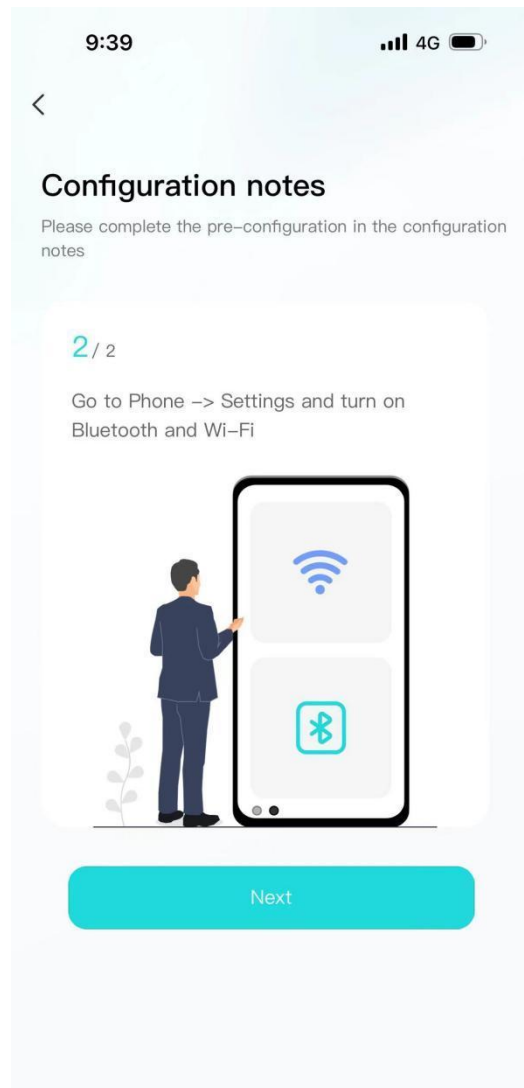
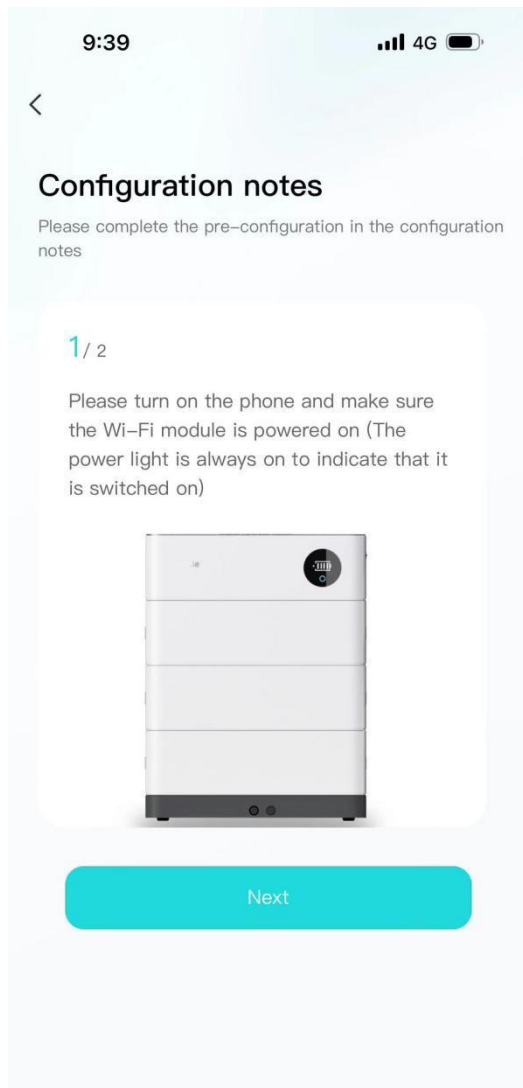
6.3. Equipment distribution network

6.3.1 Overview

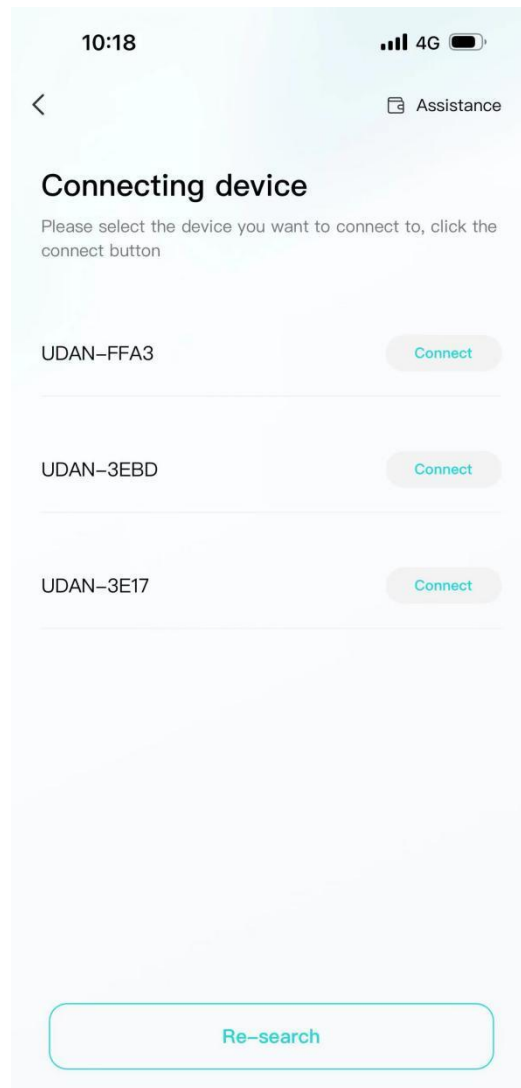
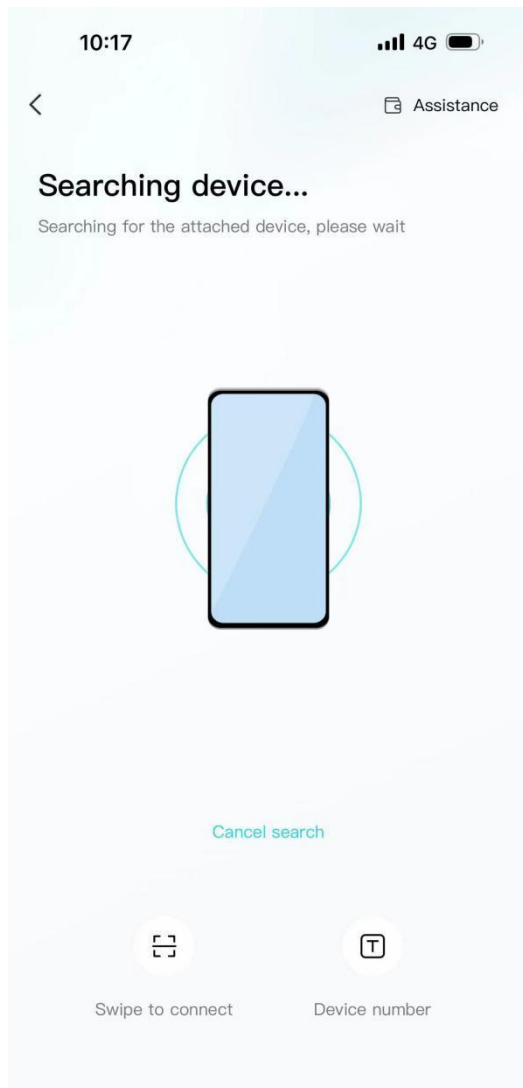
Device distribution network refers to connecting devices to the Cloud Computing Platform to help users obtain real-time device data information.

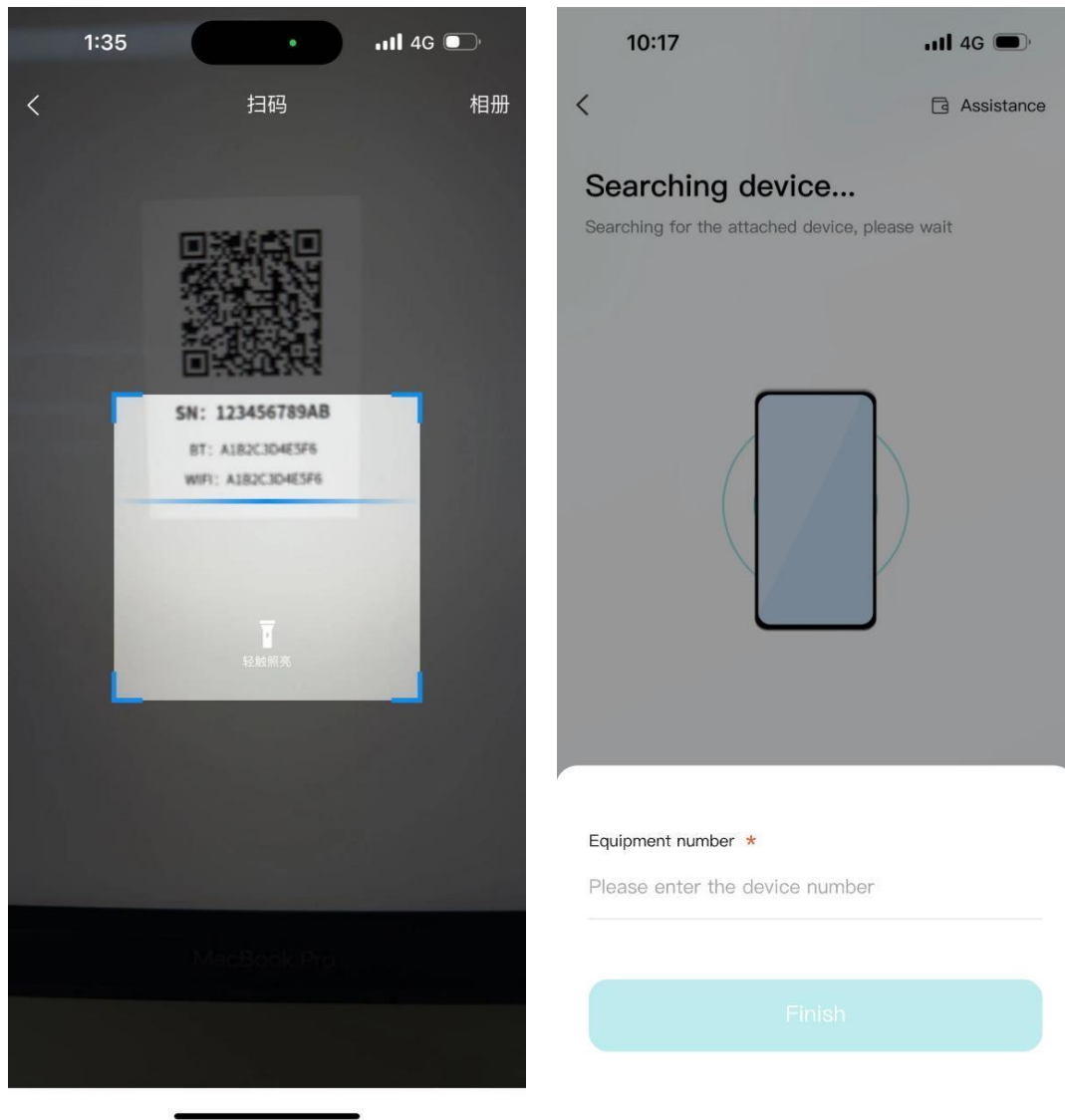
6.3.2 Distribution process

1. Preparation before distribution: Ensure that the **device is on** , turn on the **mobile phone Bluetooth and wireless LAN** functions.



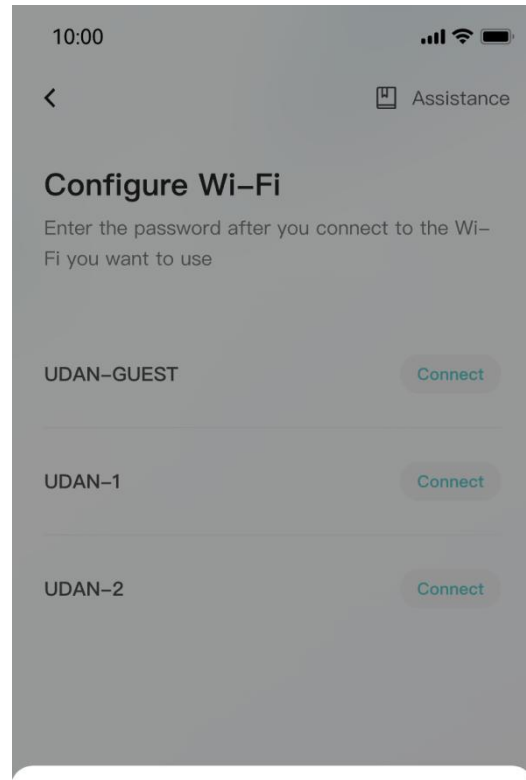
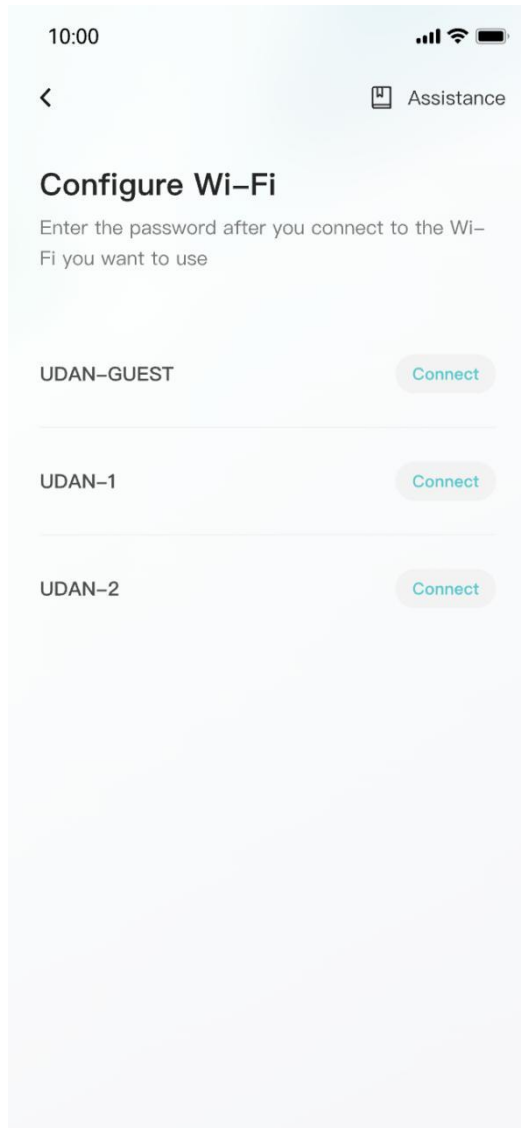
2. Connected devices: The current App supports **Bluetooth search, device scanning, and manual input of SN code** .





3. Connect to WiFi: After the device is connected, enter the WiFi connection process.

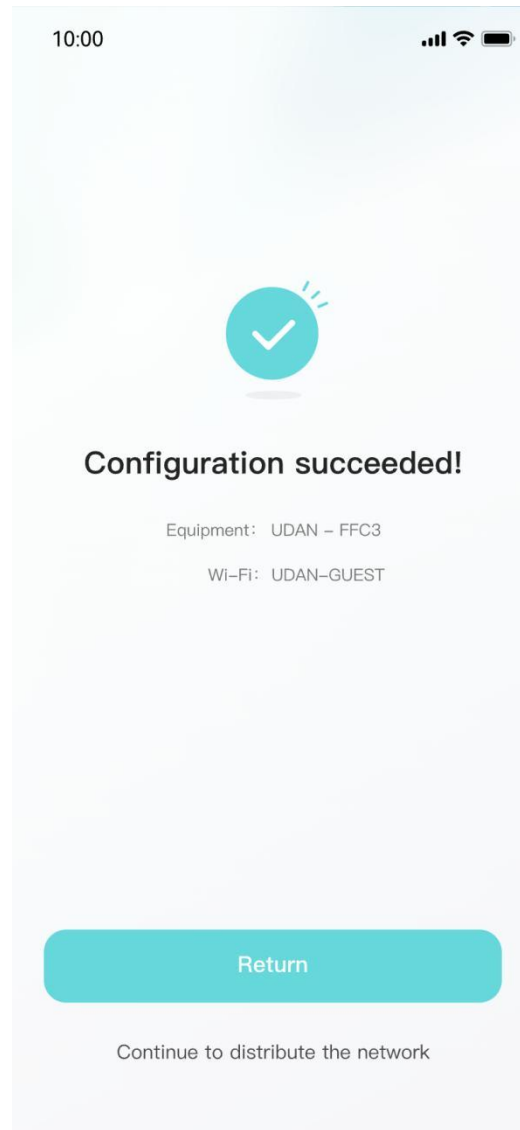
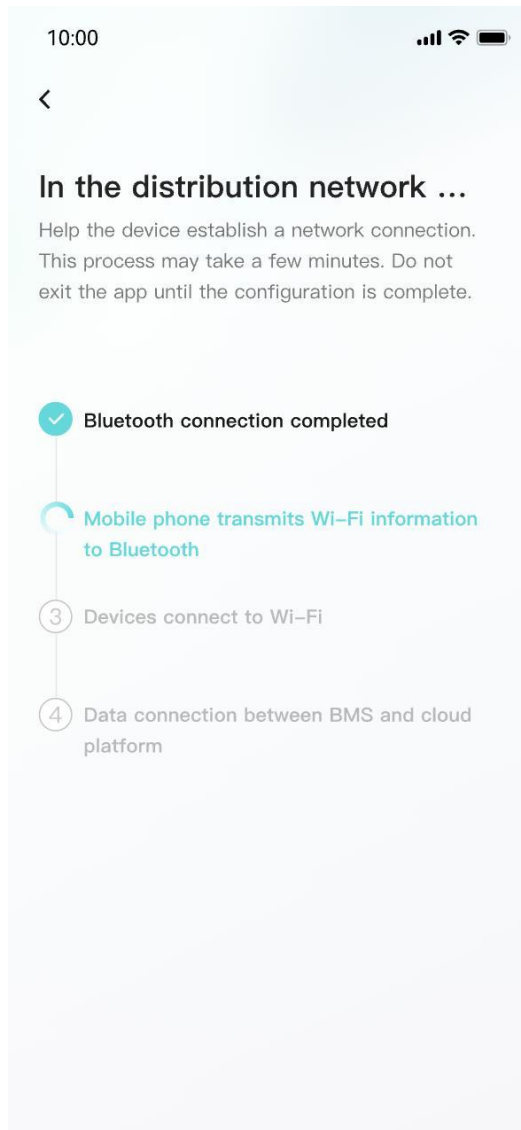
- Select the WiFi you want to use and click the "Connect" button. Enter the WiFi password and click the "Finish" button to distribute the network.



Wi-Fi Password *

Please enter the wireless network password

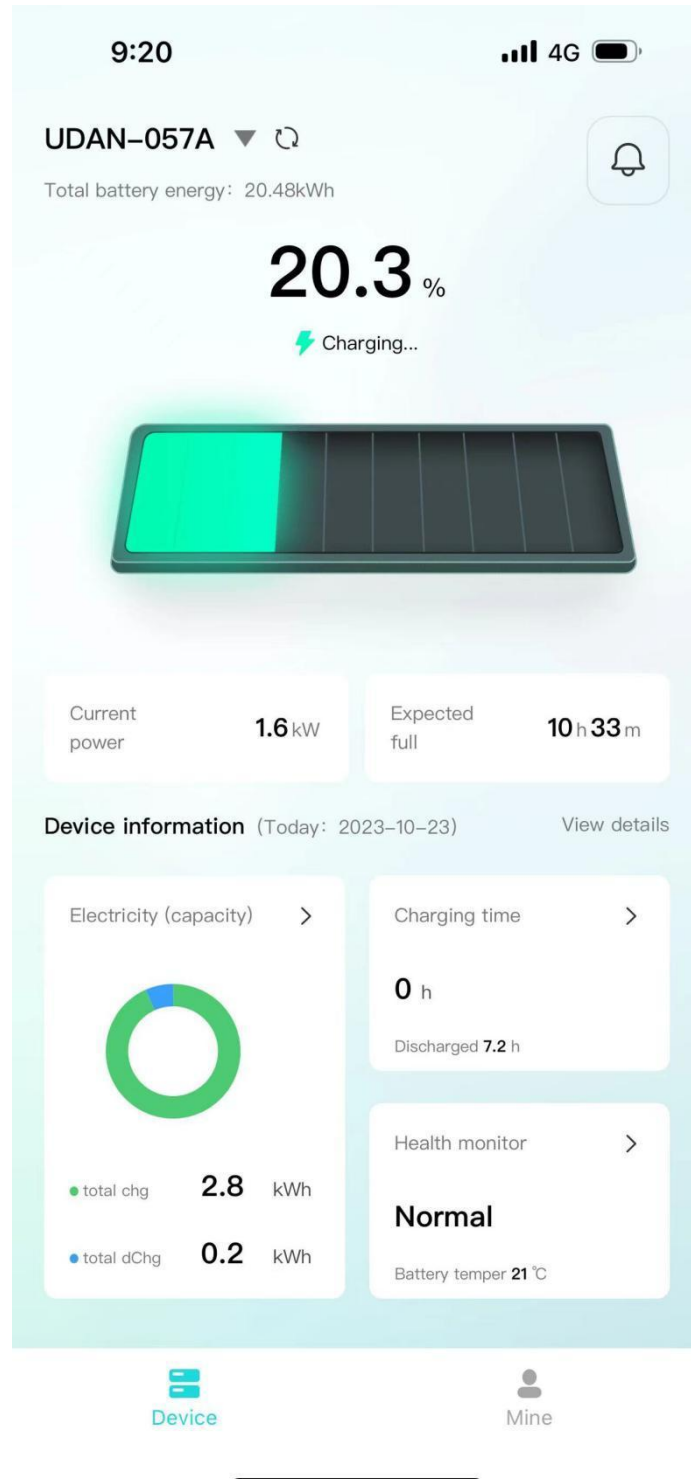
Finish



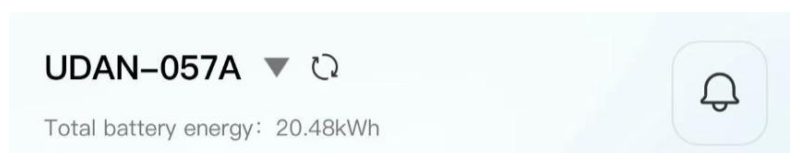
6.4. App page

6.4.1 Equipment

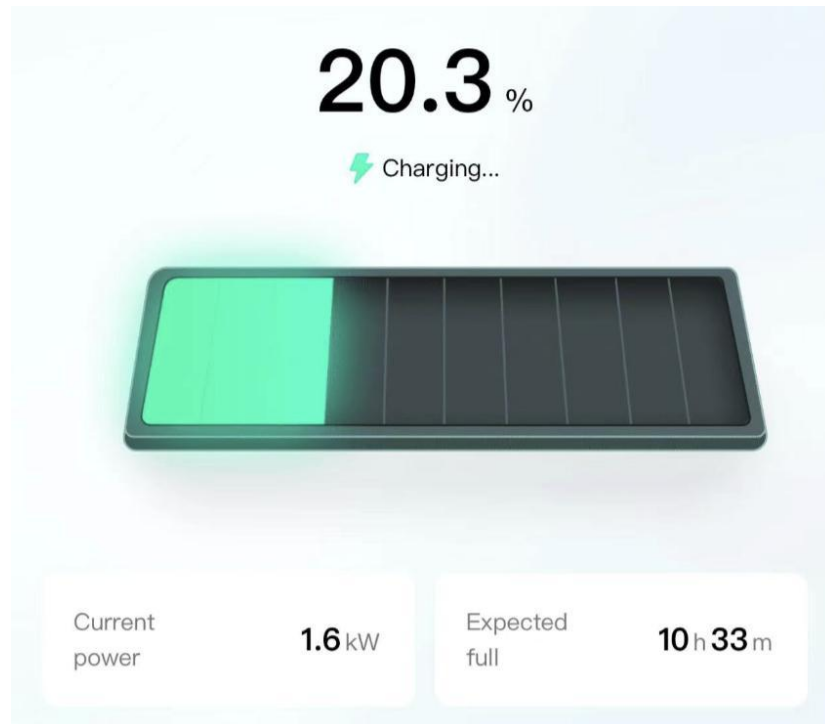
The device homepage is used to display the currently managed device information.



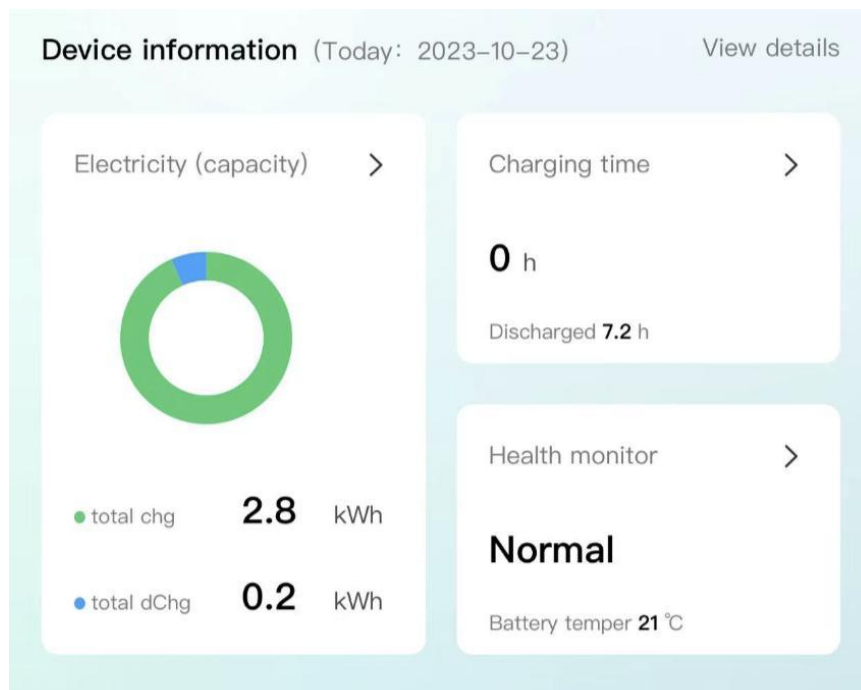
- The top area displays the device name, battery energy, and message entry.



- Middle area: Displays the current battery charging and discharging status, battery percentage, current power, and estimated full time.

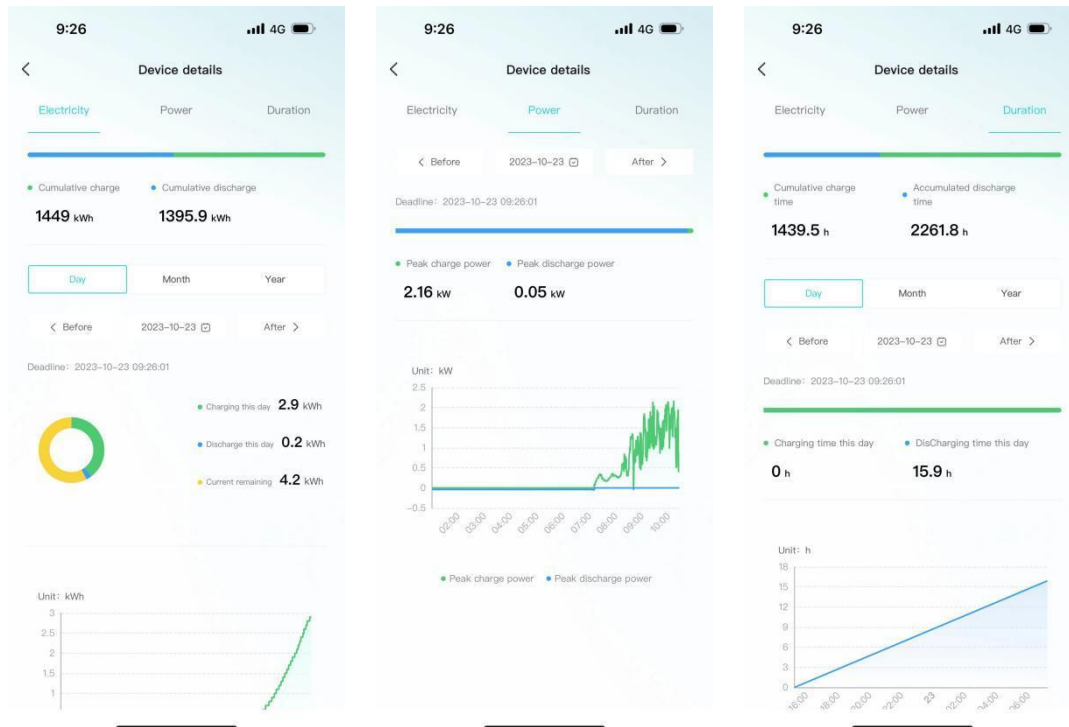


- The bottom area: Displays the device battery, charging time, and health check overview data of the day in the form of a card. You can click the corresponding card to view the details.



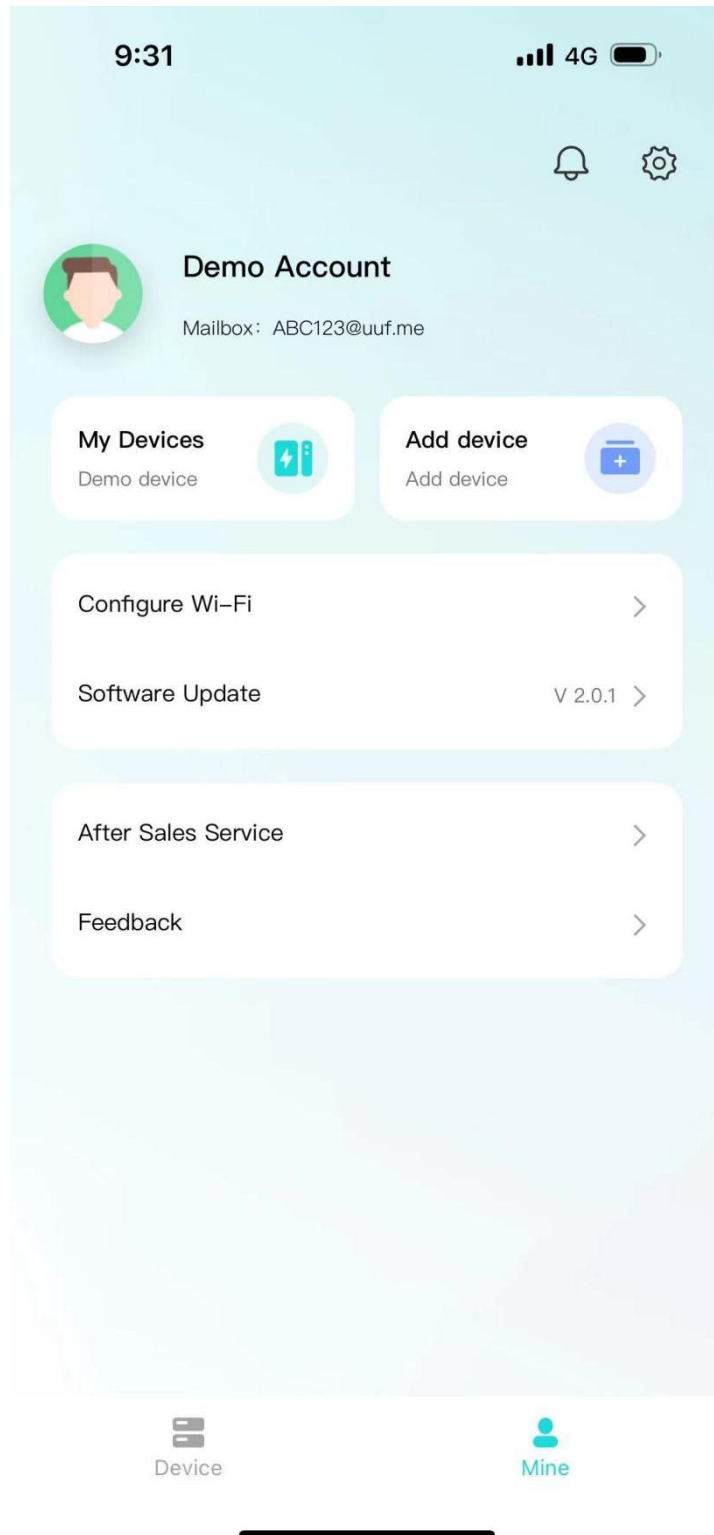
6.4.2 Data details

Display the data details of the current device, and view the battery, charging and discharging power, and charging and discharging time data separately, and support time filtering.

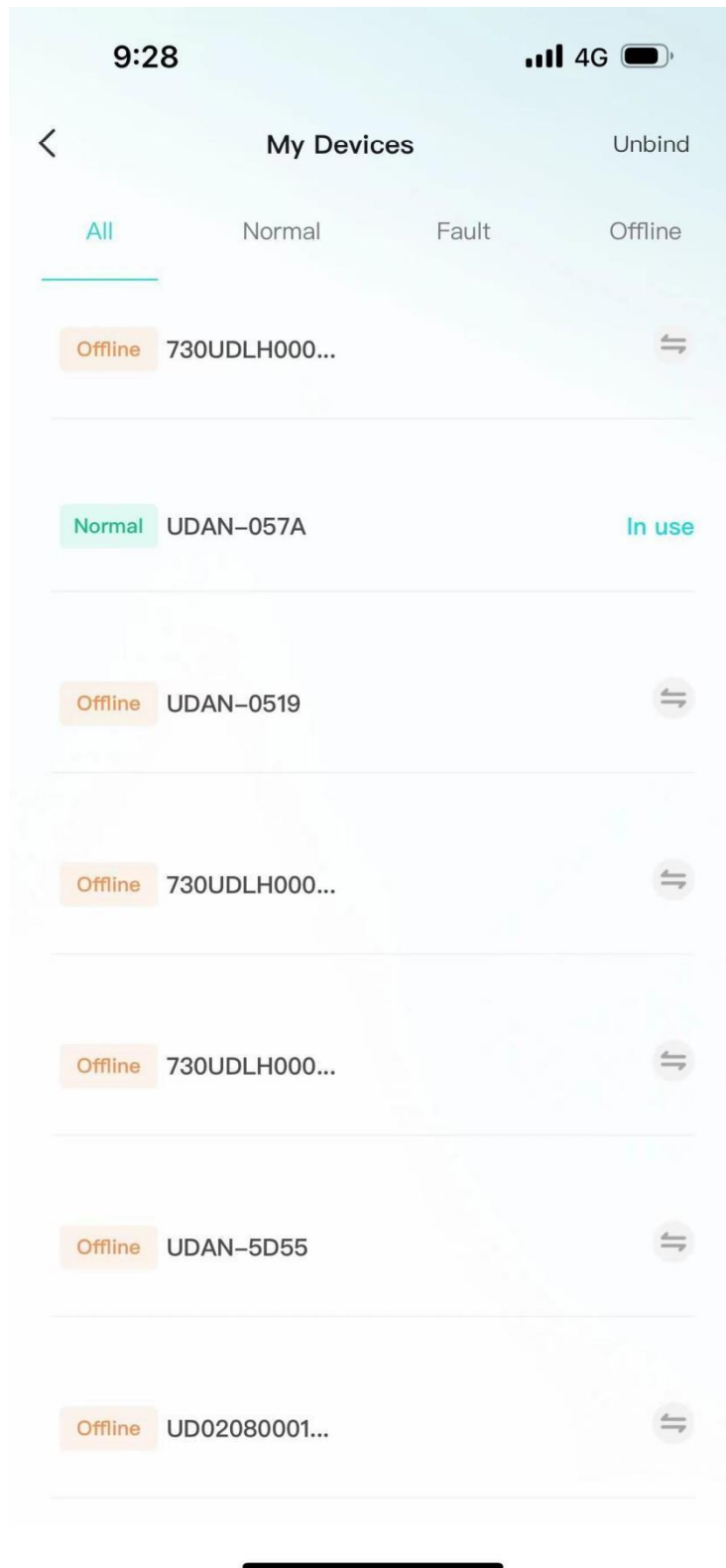


6.4.3 Mine

My page allows users to view **my devices**, **add devices**, **configure WiFi**, **software updates**, **after-sales services**, **problem feedback**, **app settings** .

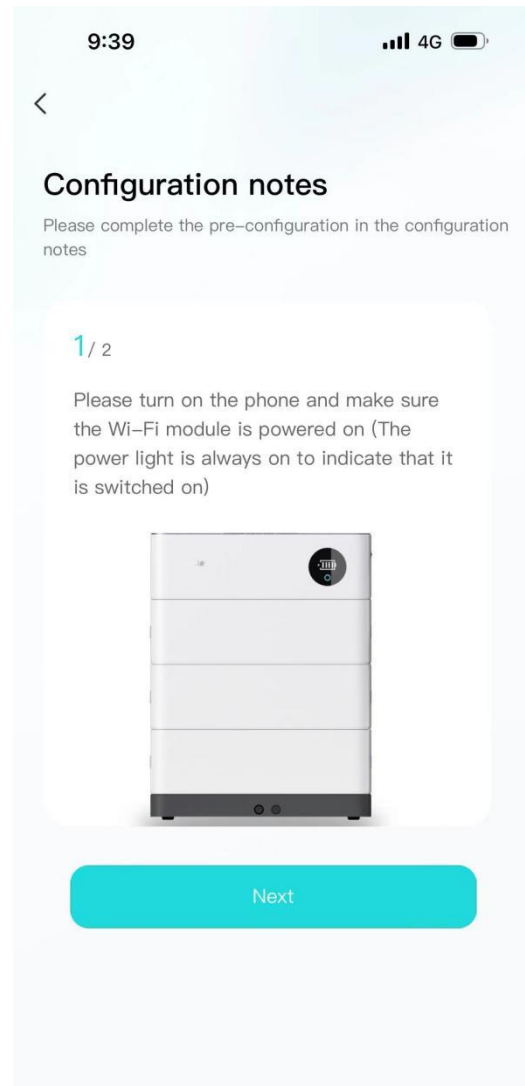
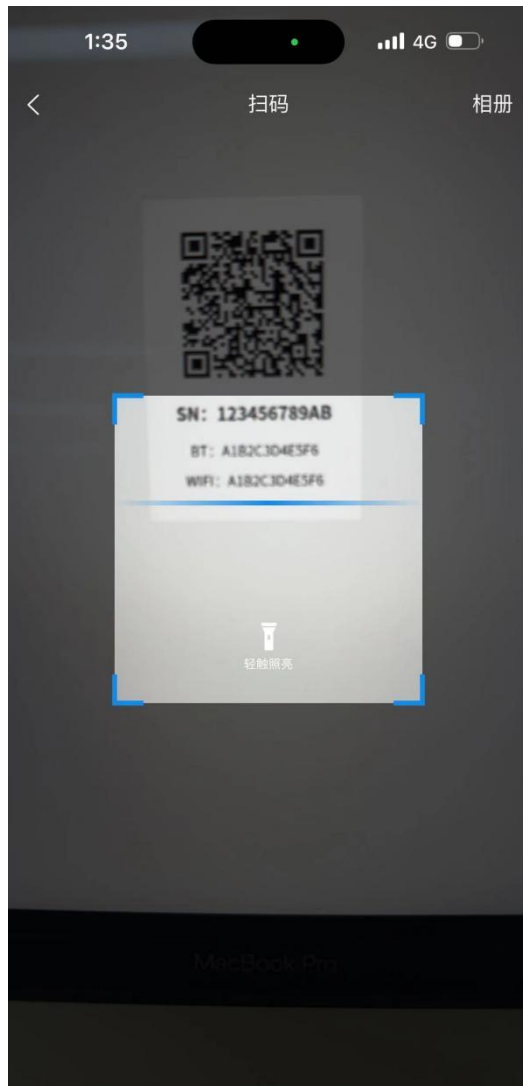


- Click "My Devices" to enter Facility Management. You can view all devices managed under the current account, switch devices displayed on the homepage, unbind devices, and other operations.

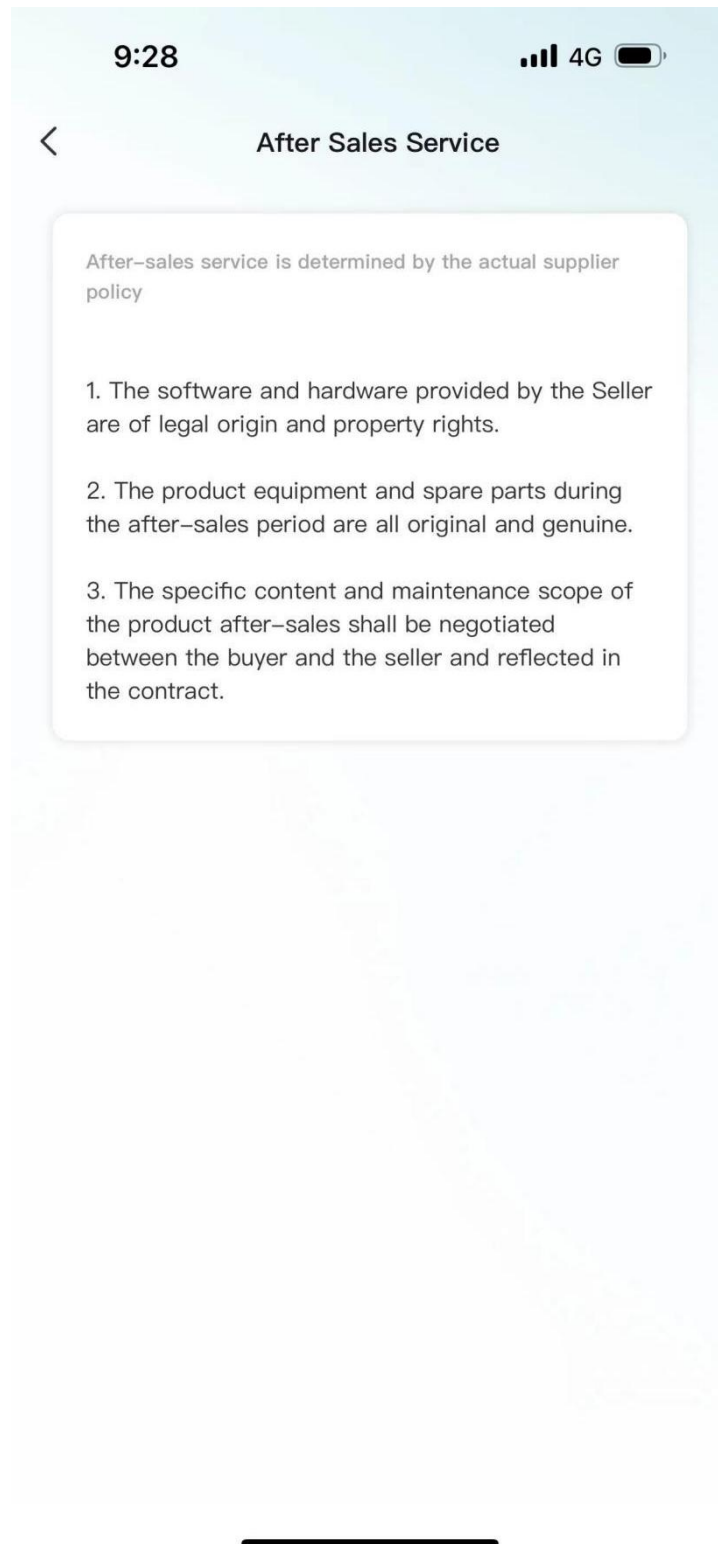


- Click "Add Device" to enter the code scanning page.
- Click "Equipment Distribution Network" to enter the equipment distribution

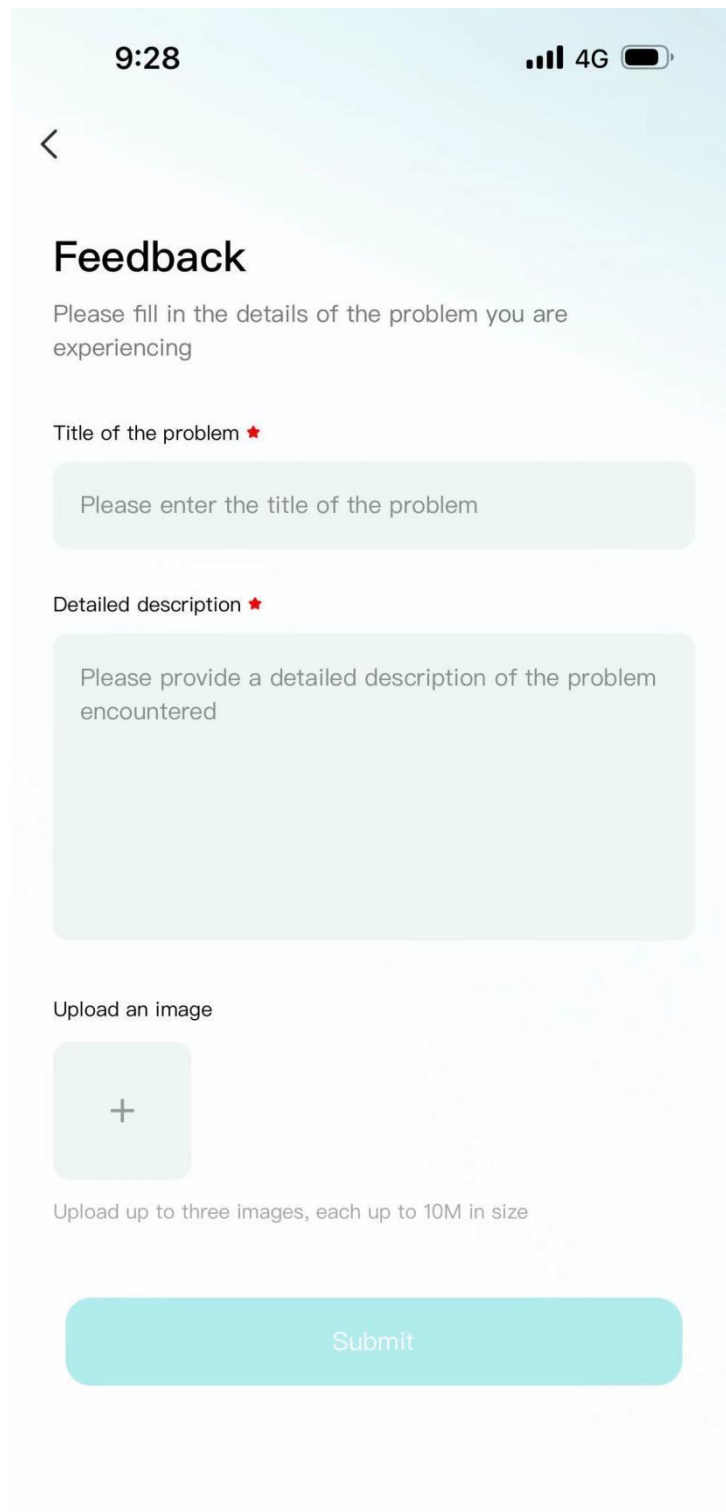
network process.



- After clicking "software update", it will enter the version detection. If there is a new version, it will be updated.
- Click "after-sales services" and enter the after-sales services page to display the after-sales services declaration of the current supplier.



- Click "Feedback" to enter the feedback page. You can enter the current problem that needs feedback and submit it.

A mobile app feedback form with a light blue background. At the top, the status bar shows the time 9:28, 4G signal, and battery level. Below the status bar is a back arrow icon. The title 'Feedback' is in bold. Below it is a subtitle 'Please fill in the details of the problem you are experiencing'. There are two required fields: 'Title of the problem' with a red star icon and a text input box containing the placeholder 'Please enter the title of the problem'; and 'Detailed description' with a red star icon and a larger text input box containing the placeholder 'Please provide a detailed description of the problem encountered'. Below these is an 'Upload an image' section with a square button containing a plus sign. Underneath the button is the text 'Upload up to three images, each up to 10M in size'. At the bottom is a large teal 'Submit' button.

9:28 4G

<

Feedback

Please fill in the details of the problem you are experiencing

Title of the problem ★

Please enter the title of the problem

Detailed description ★

Please provide a detailed description of the problem encountered

Upload an image

+

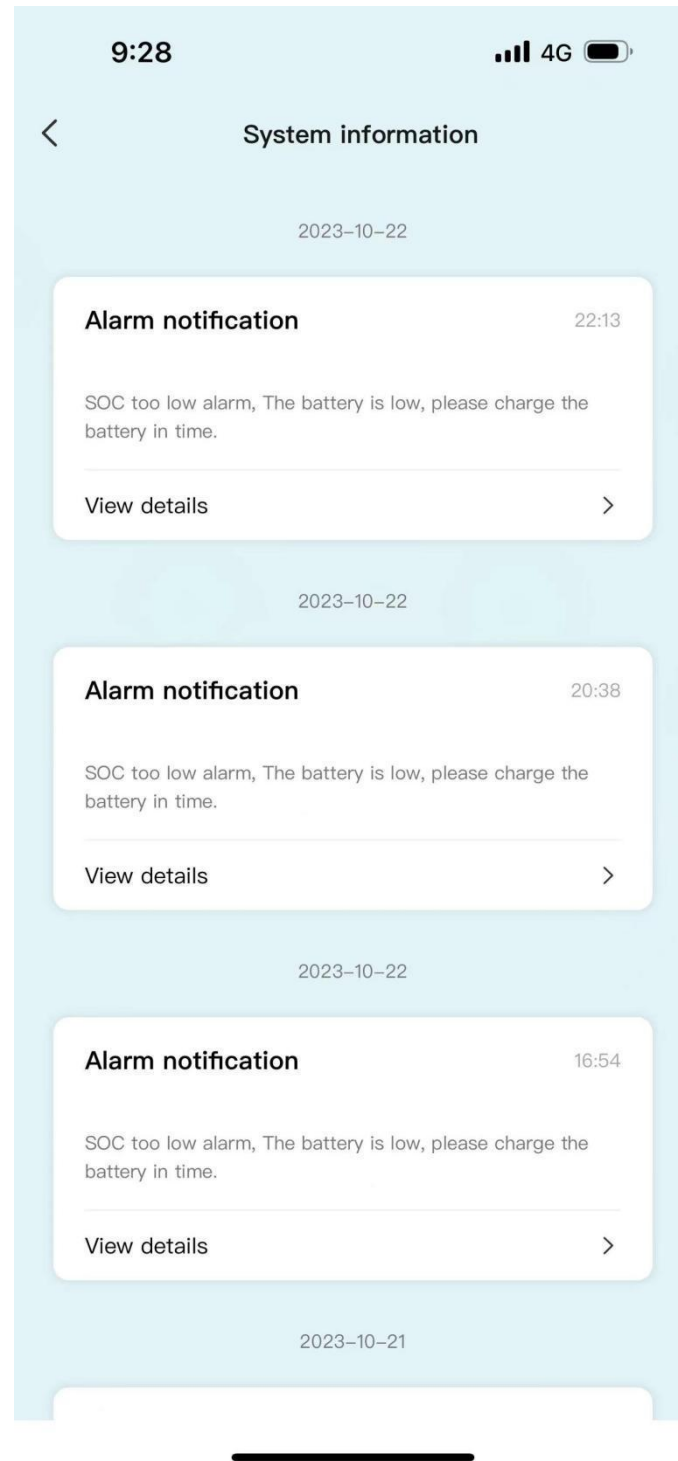
Upload up to three images, each up to 10M in size

Submit

6.4.4 Message

Click on the device or my page, the message icon above, you can enter the inbox

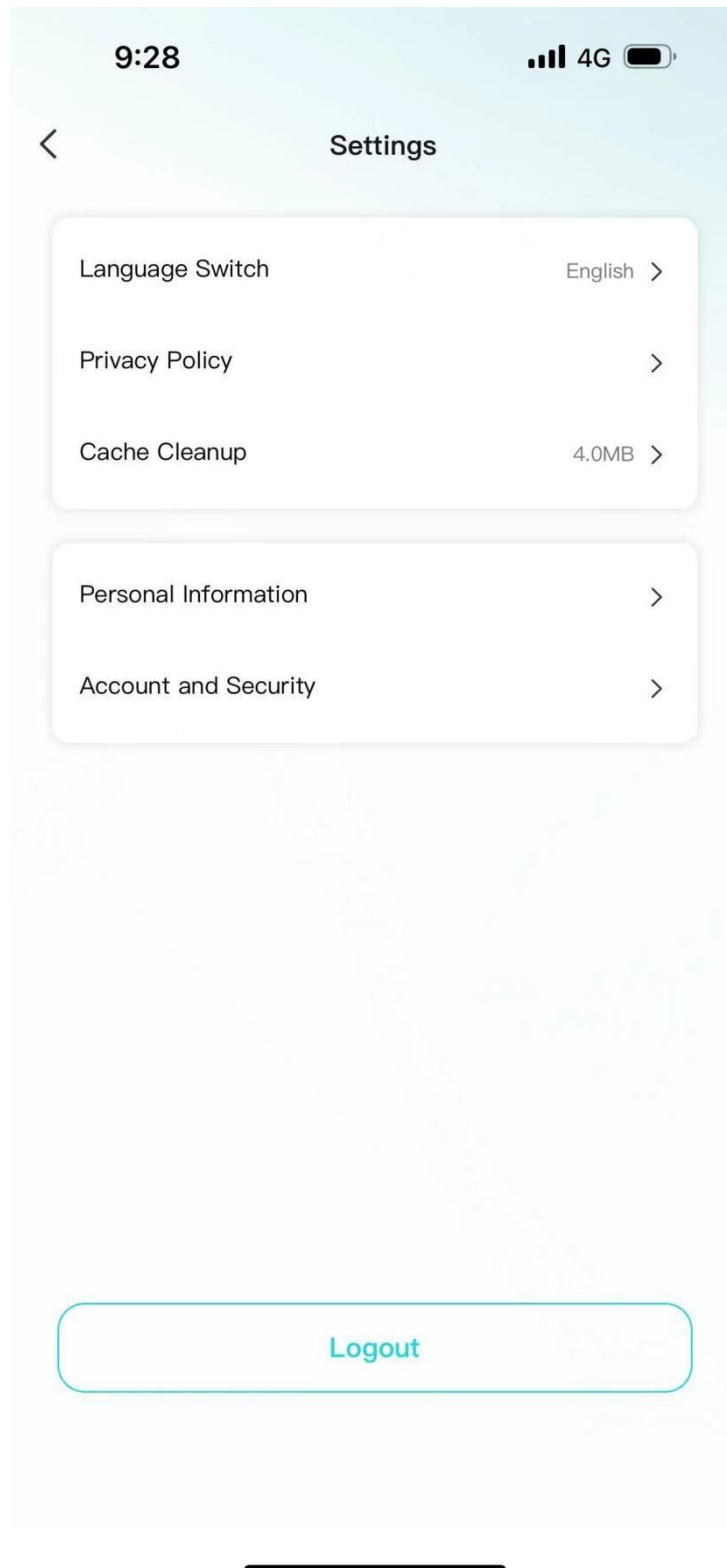
page to view the current notification or chat history.



6.4.5 App settings

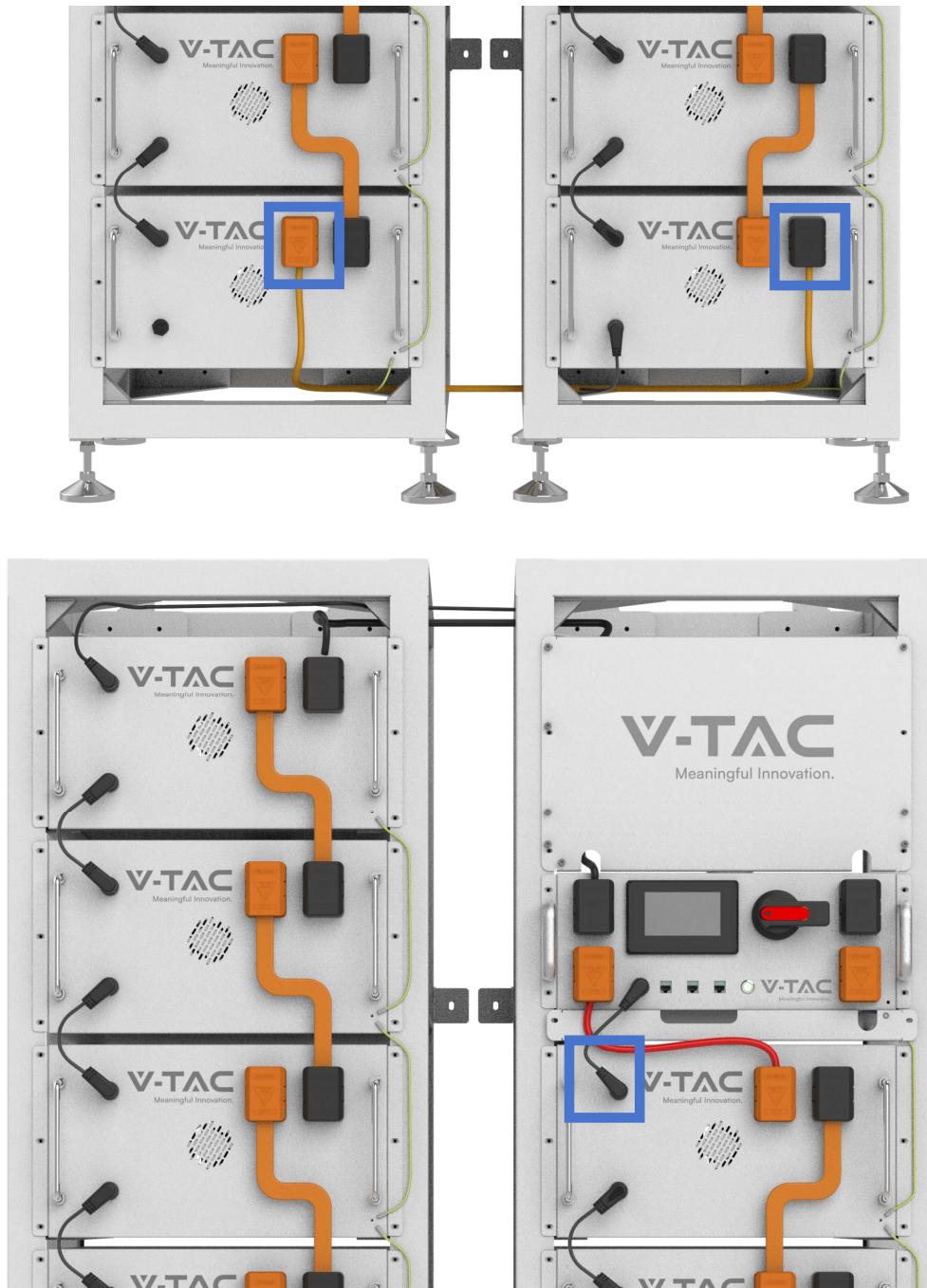
- Click My Pages - Settings icon in the upper-right corner to enter the App Settings page.

- Settings page support: language switching, Privacy Policy, cache cleaning, personal information, account and security.



7 Battery Module Storage

- ① To ensure the battery service life, the storage temperature shall be kept between 0°C~35°C.
- ② The battery shall be cycled at least once every 6 months.
- ③ To minimize self-discharge in a long storage period, disconnect the battery connection (1/2) of the high-voltage control box of the DC connecting cable. This will interrupt the use of the 12 V power supply installed in the high-voltage control box and prevent the battery from self-discharging.



8 Maintenance



Warning! Improper decommissioning may cause damage to the equipment and/or battery inverter.

Before maintenance, ensure that OHR-206 is decommissioned according to relevant provisions.



Note: All maintenance work shall comply with local applicable regulations and standards.

The USB-CAN port of OHR has the functions of upgrading firmware and recording battery data, which can be used as an auxiliary tool.

To ensure safe operation, all plug connections must be checked. If necessary, relevant operators shall press them back into place at least once a year.

The following inspection or maintenance must be carried out once a year:

- General visual inspection
- Check all tightened electrical connections. Check the tightening torque according to the values in the following table. Loose connections must be retightened to the specified torque.

Connection mode	Tightening torque
high-voltage BMS box grounding	4.5Nm
Fixing the lug of the high-voltage BMS box	1.2Nm
Fixing the lug of the battery module	1.2Nm

- Using the monitoring software, check whether the SoC, SoH, battery voltage and temperature of the battery module are abnormal.
- Shut down and restart OHR-206 once a year.

Note: If the system is installed in a polluted environment, maintenance and cleaning must be carried out at short intervals.

Note: Clean the battery rack with a dry-cleaning cloth. Ensure that no moisture comes into contact with the battery connections. Do not use solvents.



Attention:

1. Do not dispose of batteries and rechargeable batteries as domestic waste!

You are legally obliged to return used batteries and rechargeable batteries.

2. Waste batteries may contain pollutants that can damage the environment or your health if improperly stored or handled.

3. Batteries also contain iron, lithium and other important raw materials, which can be recycled.

Do not dispose of batteries as household waste!



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