

Specification For Approval

产品说明书
Product Brochure

产品名称:	WIFI模块
产品型号:	DR-WIFI-04-V1
文件编号Document number:	
版本 Version:	V1
日期 Data:	2024-10-21

制定 Formulate	审核 Audit	批准 approve
Pangrongyan	Wang guan	Wangweiyuna
客户回签 Customer signature		

地址: 东莞市寮步镇仁居路1号松湖智谷研发中心2号楼605、606、607室

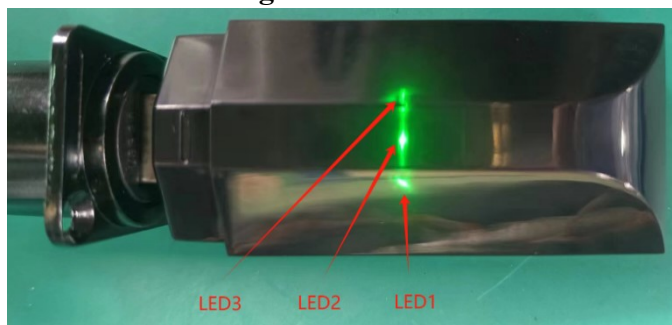
Address: Room 605, 606 and 607, Building 2, Songhu Zhigu R&D Center,
No.1 Renju Road, Liaobu Town, Dongguan City, Guangdong Province

目录
catalogue

一、指示灯定义 Definition of indicator lights	5
二、配网操作说明 Distribution Network Operation Instructions	6
2.1 APP下载 APP download	6
2.1.1 安卓版本 Android version	6
2.1.2 IOS版本 IOS version	6
2.2 使用APP进行配网 Using an app for network distribution:	7
2.2.1 设备选择界面 Equipment selection interface	7
2.2.2 WIFI网络配置 WIFI network configuration	8
三、APP功能介绍 APP Function Introduction	9
3.1 本地连接 Local connection	9
3.1.1 本地监控及设备详情界面 Local monitoring and device details interface	9
3.1.2 历史记录 History record	10
3.1.3 告警数据 Alarm data	10
3.1.4 参数设置 System Parameter	11
3.1.5 PACK信息 PACK information	11
3.1.6 PACK系统设置 PACK System Parameter	12
3.1.7 系统设置 System settings	13
3.2 远程连接 Remote monitoring	14
3.2.1 登录界面 Login interface	14
3.2.2 站点 Site	14
3.2.3 设备选择界面 Equipment selection interface	15
3.2.4 网络监控界面及设备详情界面 Network monitoring interface and device details interface ..	15
3.2.5 参数设置 Parameter settings	16
3.2.6 PACK系统设置 PACK system settings	17
3.2.7 PACK信息 PACK information	17
3.2.8 统计 Statistics	18
3.2.9 系统设置 System settings	18
四、云平台功能介绍 Introduction to Cloud Platform Functions	19
4.1 平台登录 Platform login	19
地图: 显示设备的分布情况 (此功能仅用于DTU)	20
4.2 个人中心 User Center	20
4.2.1 个人信息 Personal Information	20
4.2.2 告警通知方式 Alarm notification method	20
4.3 设备管理界面 Equipment management interface	21
4.4 绑定设备 Bind	21
4.5 监控设备信息 Monitoring device information	22
4.6 设备详细信息 Equipment Details	22
4.6.1 运行参数 Operating Parameters	22
4.6.2 告警信息 Alarm	23
4.6.3 历史数据 History Data	23
4.6.4 设备设置 Device Setting	24
4.6.5 设备防盗 Device Anti-Theft	25

4.7报文上报设置 Message reporting settings	26
4.8设备升级 Equipment upgrade	26
4.9站点名称 Site name	27
4.10我的业务 Business	28
4.11邀请管理 Invitation Management	28
第一步：先在我的业务界面创建客户名称	29
4.12系统设置 system management	30
4.12.1用户管理 user management	30
4.12.2角色管理 Role management	31
4.12.3登录日志 Login log	32

一、指示灯定义 Definition of indicator lights



指示灯 Indicator light	指示灯闪烁状态 Flashing status of indicator light	指示功能说明 Indicating Function Description
LED1	不亮 OFF	与 BMS 连接异常 Abnormal connection with BMS
	常亮 ON	与 BMS 连接正常 Normal connection with BMS
LED2	常亮 ON	系统运行状态异常 Abnormal system operation status
	闪烁 Flicker	系统运行状态正常 The system is running normally
LED3	不亮 OFF	未连接平台 Not connected to platform
	常亮 ON	成功连接平台 Successfully connected to the platform

二、配网操作说明 Distribution Network Operation Instructions

2.1 APP下载 APP download

2.1.1 安卓版本 Android version

① 下载链接 Download Link: <https://www.pgyer.com/b8uo9upa>

② 扫码下载方式 Scan code to download:



2.1.2 IOS版本 IOS version

① App store 搜索“BMS Insight” Search for "BMS Insight" on the App Store



② 扫描二维码跳转到App store 下载 Scan the QR code to go to the App store to download



2.2 使用 APP 进行配网 Using an app for network distribution:

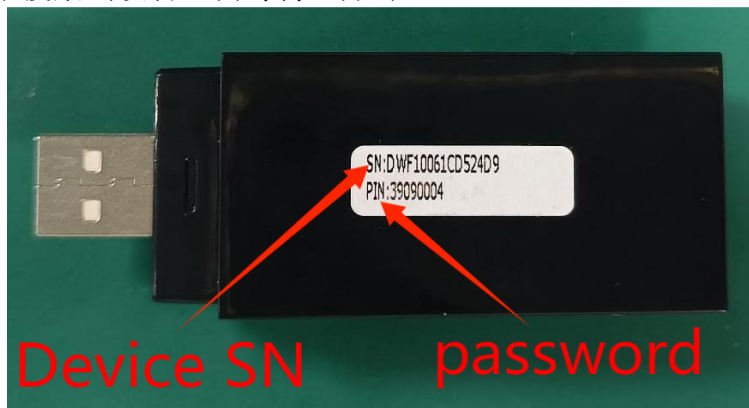
2.2.1 设备选择界面 Equipment selection interface

步骤 1: 点击蓝牙按钮打开蓝牙功能。

(注: 需同时打开手机蓝牙功能、定位功能, 并允许获取位置信息)

步骤 2: 通过搜索或查找到需连接的设备 SN。设备 SN 为外壳上粘贴的 SN 码。

(注: 如模块上电未搜索到设备, 需等待 4 分钟)



步骤 3: 点击需要连接的设备, 连接成功将自动跳转到本地监控界面。

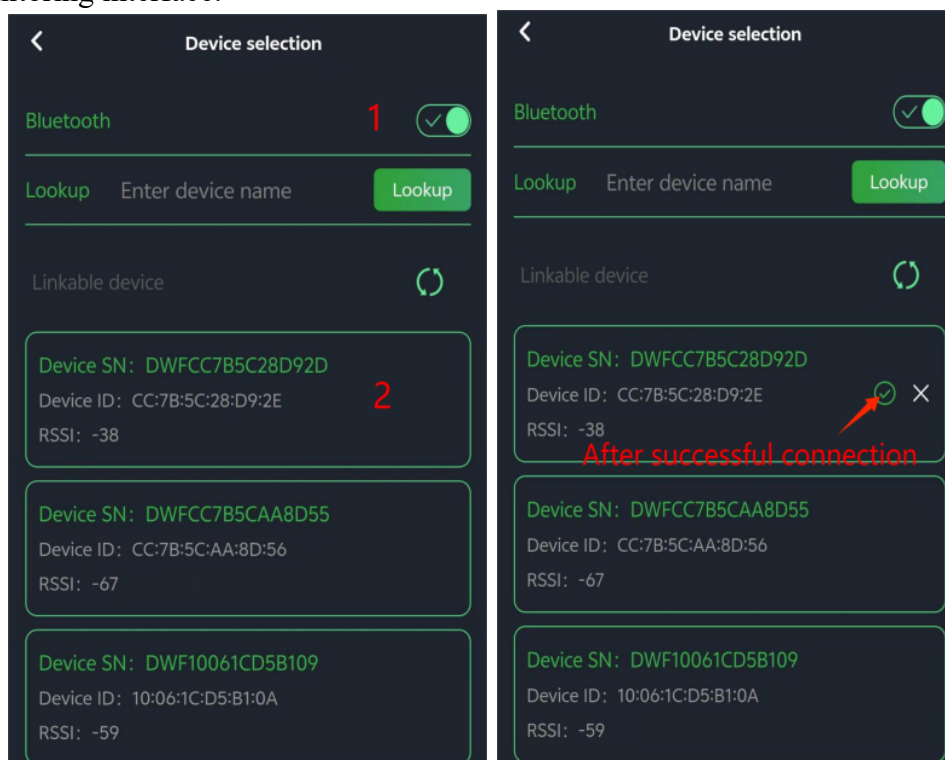
Step 1: Click the Bluetooth button to turn on the Bluetooth function.

(Note: The Bluetooth function and positioning function of the mobile phone must be turned on at the same time, and the location information must be allowed to be obtained)

Step 2: Search or find the SN of the device to be connected. The device SN is the SN code pasted on the shell.

(Note: If the module is powered on and the device is not searched, wait for 4 minutes)

Step 3: Click the device to be connected. If the connection is successful, it will automatically jump to the local monitoring interface.



2.2.2 WIFI 网络配置 WIFI network configuration

WIFI模块可通过该界面配网。

①输入正确的路由器账号和密码（所配置的WIFI信号需为2.4G频段，即不带_5G后缀）。

②点击配置。

③点击读取。上方显示当前配置的WIFI账号、密码及模块连接状态。

（注：①路由器账号与密码需为英文字符。②手机未连接路由器，则需手动输入路由器账号。手机已连接路由器，则会自动显示账号在账号输入框中。）

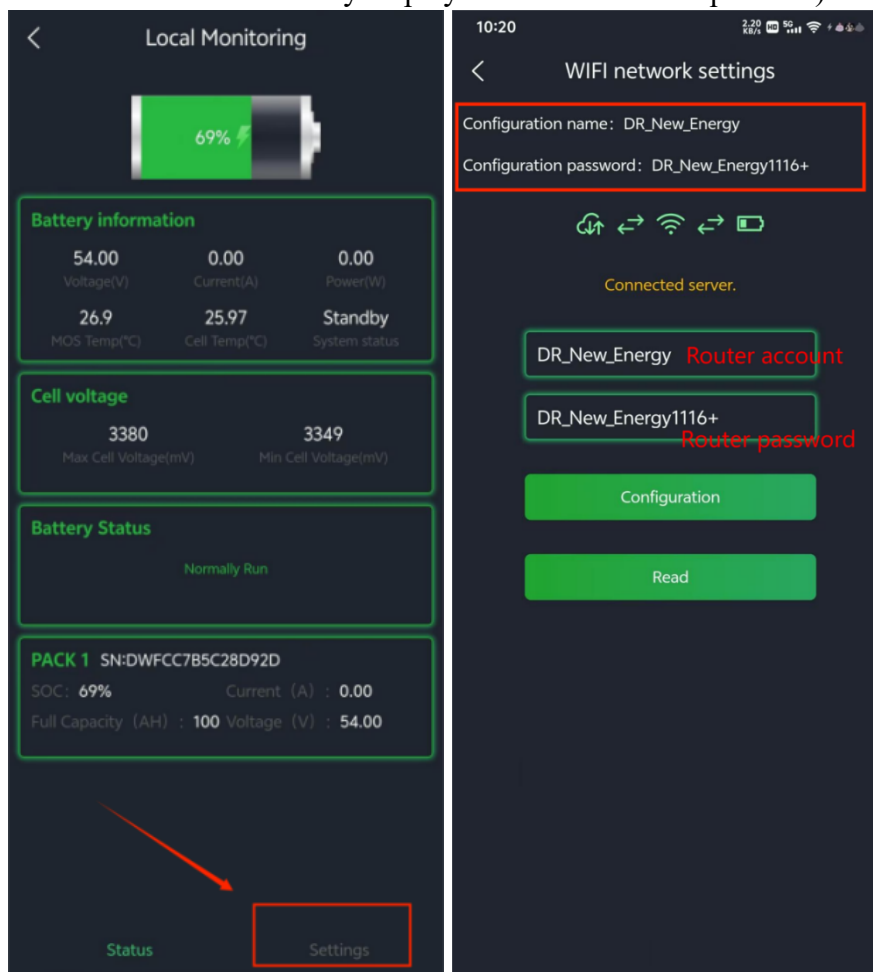
The WIFI module can be configured through this interface.

① Enter the correct router account and password (the configured WIFI signal must be in the 2.4G frequency band, i.e. without the _5G suffix).

② Click Configure.

③ Click Read. The currently configured WIFI account, password and module connection status are displayed above.

(Note: ① The router account and password must be in English characters. ② If the phone is not connected to the router, you need to manually enter the router account. If the phone is connected to the router, the account will be automatically displayed in the account input box.)



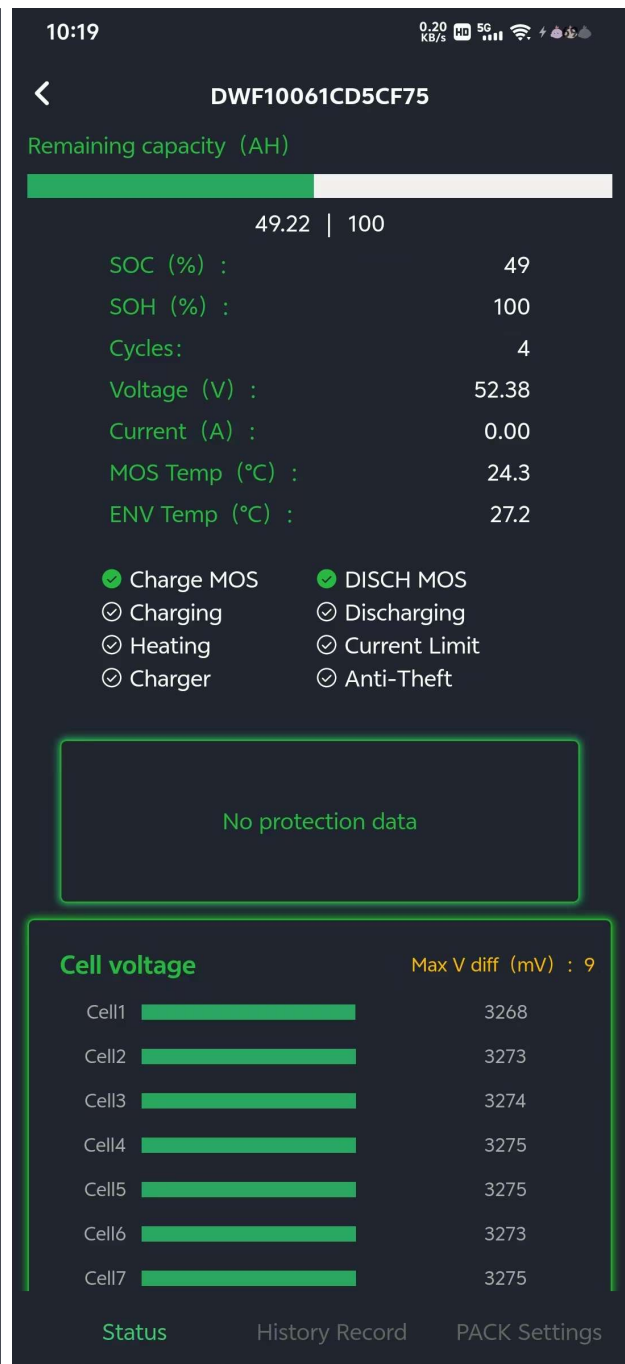
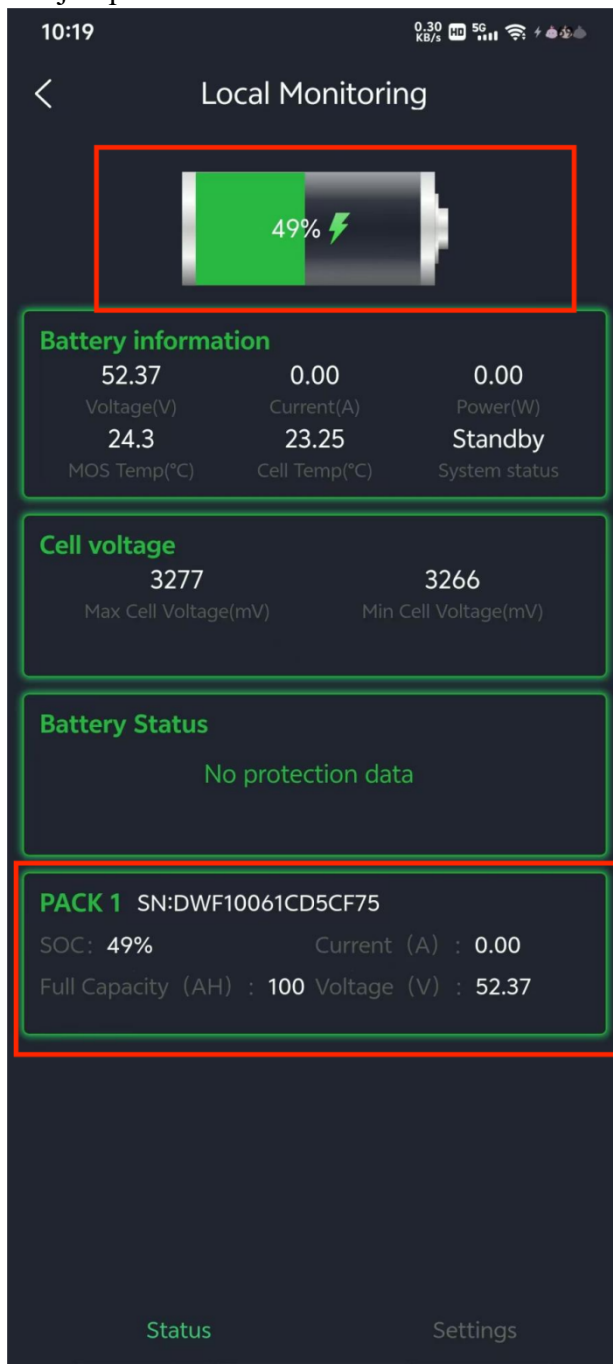
三、APP 功能介绍 APP Function Introduction

3.1 本地连接 Local connection

3.1.1 本地监控及设备详情界面 Local monitoring and device details interface

可查看到每个单体电压，电池总压、电流、SOC、SOH、电芯温度、电池状态、电池告警等信息。点击电池图标或 PACK 信息栏可跳转到设备详情界面。

You can view the voltage of each cell, total battery voltage, current, SOC, SOH, cell temperature, battery status, battery warning and other information. Click the battery icon or PACK information bar to jump to the device details interface.



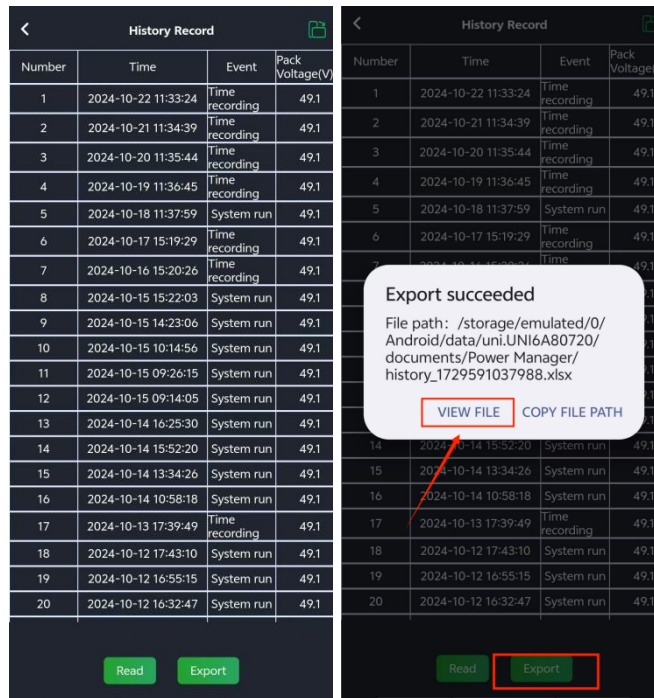
3.1.2 历史记录 History record

可以读取并导出历史数据。

(注：需通过点击查看文件，跳转到 Excel 表格后另存为或分享保存文件。)

Can read and export historical data.

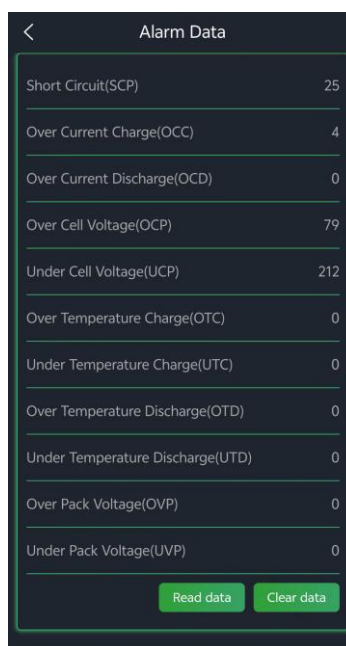
(Note: You need to click to view the file, jump to the Excel spreadsheet, and then save as or share the saved file.)



3.1.3 告警数据 Alarm data

可查看到电池组各种保护的次数。即可知道电池组的运行情况。

You can check the number of times the battery pack has been protected and know the operating status of the battery pack.



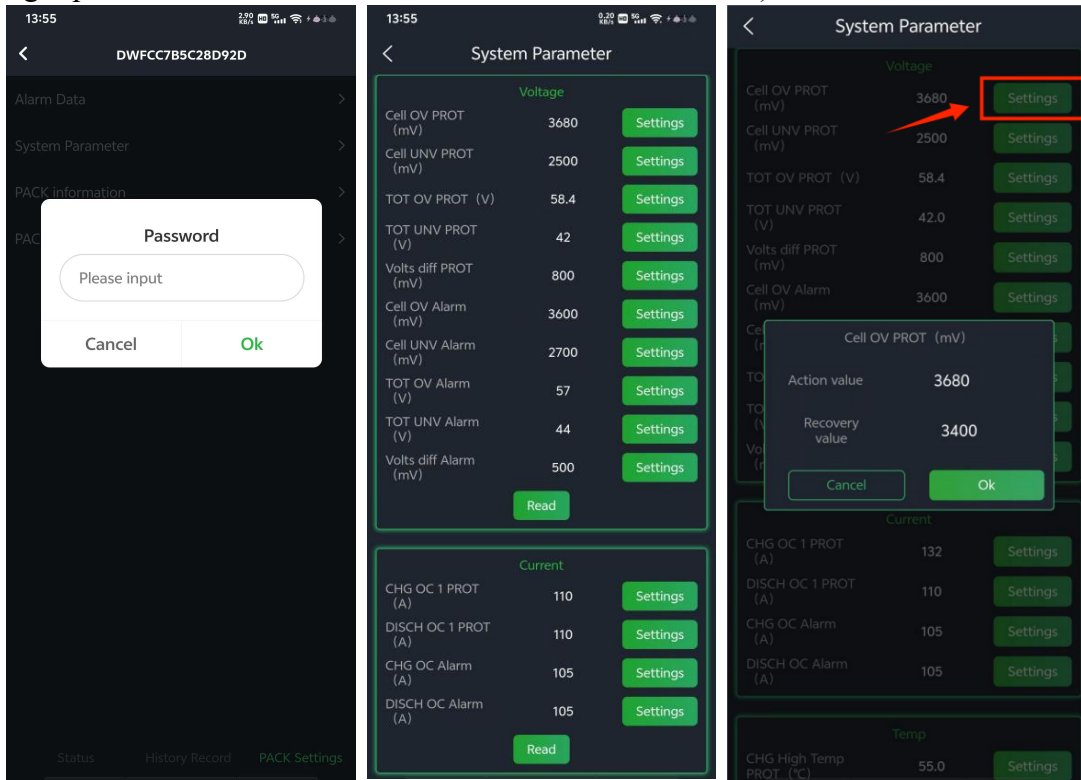
3.1.4 参数设置 System Parameter

可以读取、修改电池保护参数。

(备注：登入密码需找制造厂家)

Can read and modify battery protection parameters.

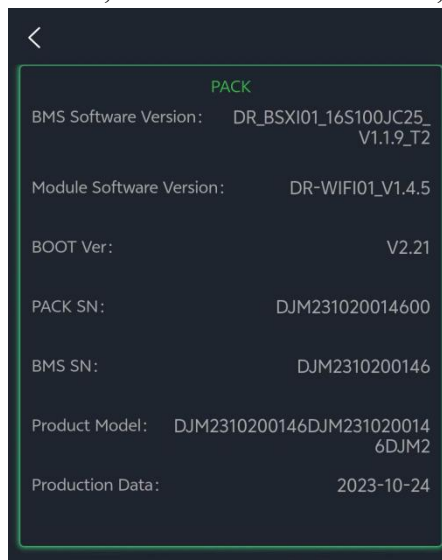
(Note: Login password needs to be obtained from the manufacturer)



3.1.5 PACK信息 PACK information

可查看BMS软件版本、模块软件版本等。

You can view the BMS software version, module software version, etc.



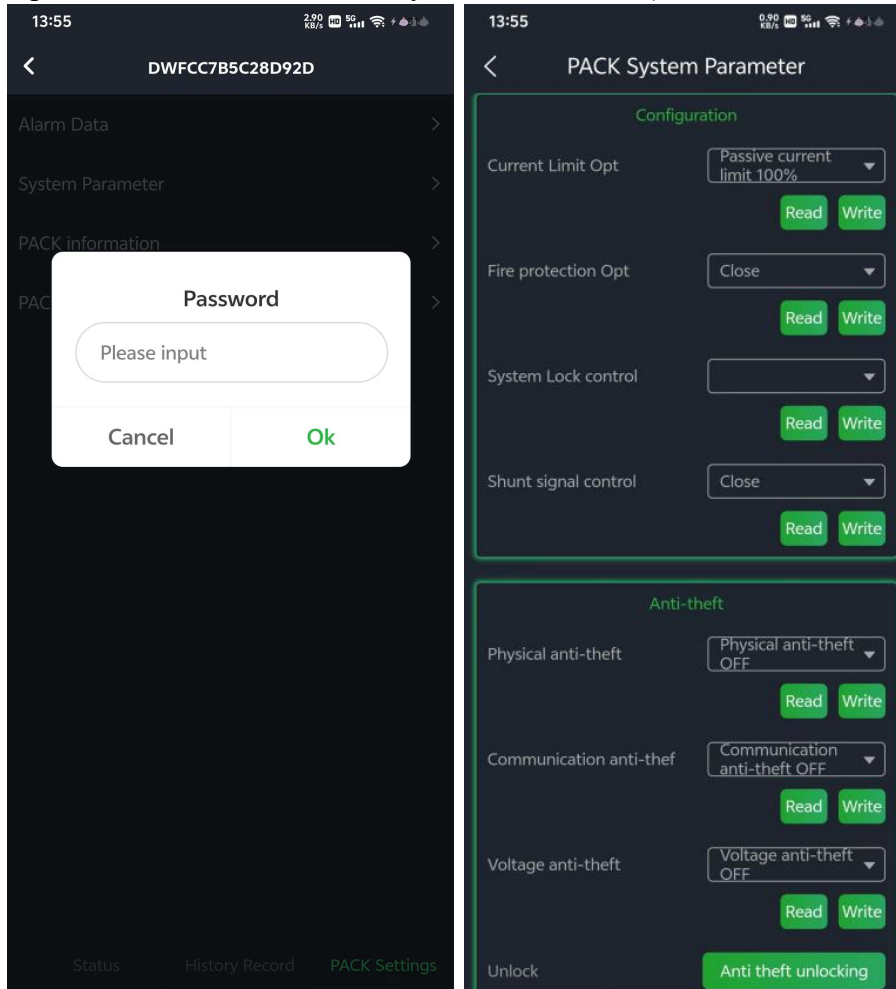
3.1.6 PACK 系统设置 PACK System Parameter

可对限流模式设置、消防设置、分励信号检测、防盗设置、充电控制、放电控制、蜂鸣器使能、休眠设置等功能进行读取和设置。

(备注：登入密码需找制造厂家)

It can read and set the current limiting mode setting, fire setting, shunt signal detection, anti-theft setting, charging control, discharge control, buzzer enable, sleep setting and other functions.

(Note: The login password needs to be found by the manufacturer)



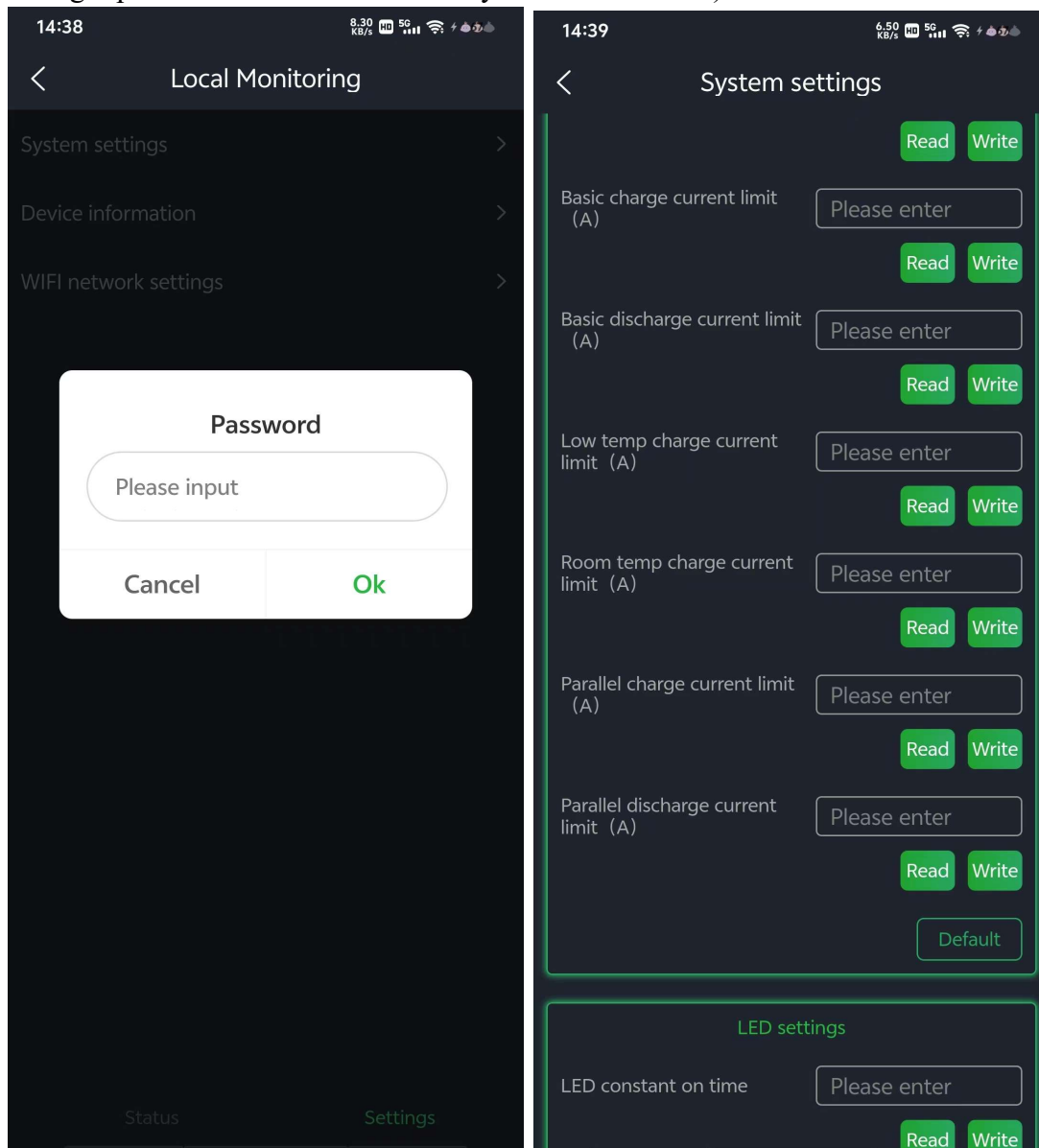
3.1.7 系统设置 System settings

可对充放电使能、强充使能进行控制。以及对充放电限流值、BMS 时间进行修改。

（备注：登入密码需找制造厂家）

It can control the charge and discharge enable and forced charge enable, and modify the charge and discharge current limit value and BMS time.

(Note: The login password needs to be found by the manufacturer)

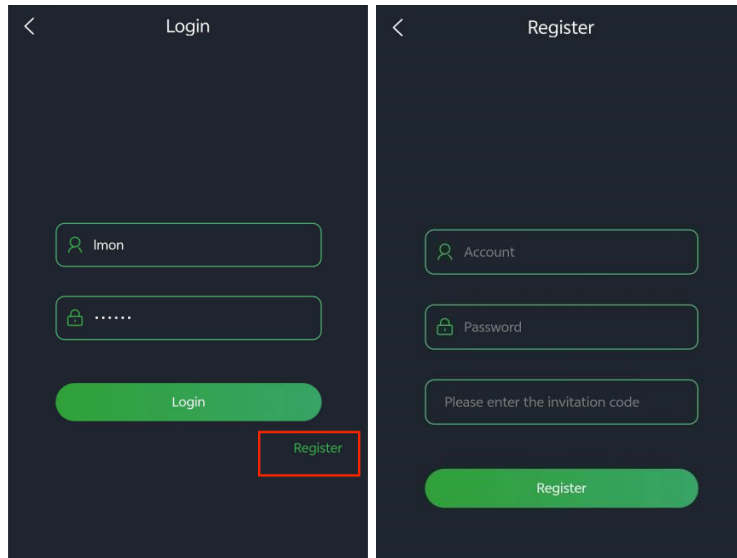


3.2 远程连接 Remote monitoring

3.2.1 登录界面 Login interface

输入云平台登录的账号、密码，或通过邀请码注册账号。

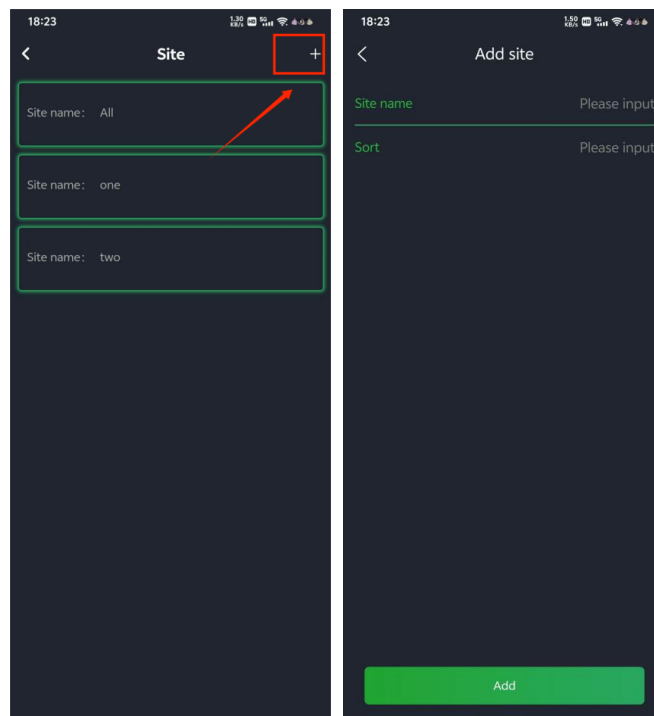
Enter the account and password for logging into the cloud platform, or register an account using an invitation code.



3.2.2 站点 Site

该界面的分组与云平台中的站点分组一致，站点名称为 All 分组中的设备为未标注站点名称的设备。通过点击右上角的“+”添加站点名称。

The grouping on this interface is consistent with the site grouping in the cloud platform. The devices in the All site group are devices without a site name. Click the "+" in the upper right corner to add a site name.



3.2.3 设备选择界面 Equipment selection interface

①添加设备：通过点击右上角的“+”添加设备。

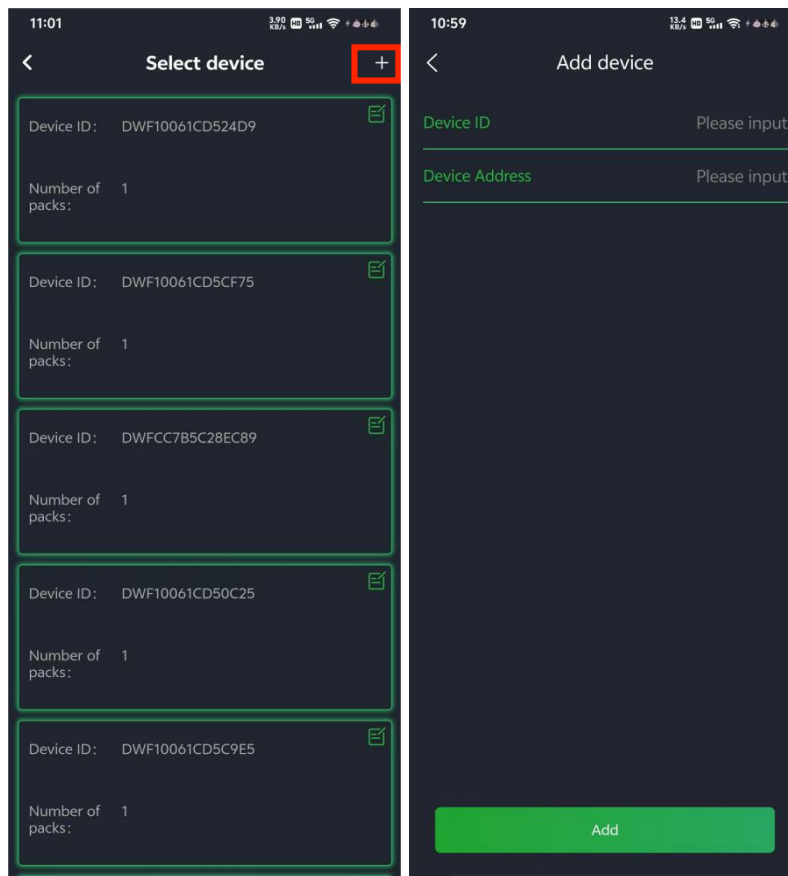
②站点切换：需要切换站点的设备通过点击选择框右上角的图标进入站点界面，选择需要切换到站点名称后点击确认。

③点击选择需查看数据的设备 SN，就可以进入查看设备的详情信息。

① Add device: Click the "+" in the upper right corner to add a device.

② Site switch: For devices that need to switch sites, click the icon in the upper right corner of the selection box to enter the site interface, select the site name to switch to, and click Confirm.

③ Click to select the SN of the device whose data you want to view, and you can enter to view the detailed information of the device.



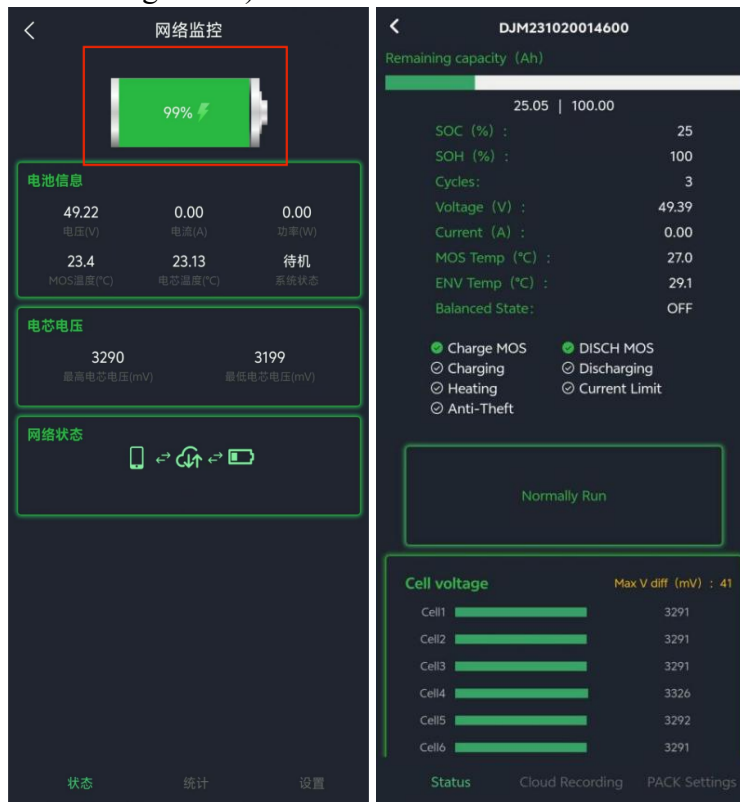
3.2.4 网络监控界面及设备详情界面 Network monitoring interface and device details interface

可查看到每个单体电压，电池总压、电流、SOC、SOH、电芯温度、电池状态、电池告警等信息。点击电池图标可跳转到设备详情界面。

（注：数据更新方式为半小时更新一次、有电流变化、故障状态变化及下滑屏幕刷新。）

You can view the voltage of each cell, total battery voltage, current, SOC, SOH, cell temperature, battery status, battery alarm and other information. Click the battery icon to jump to the device details interface.

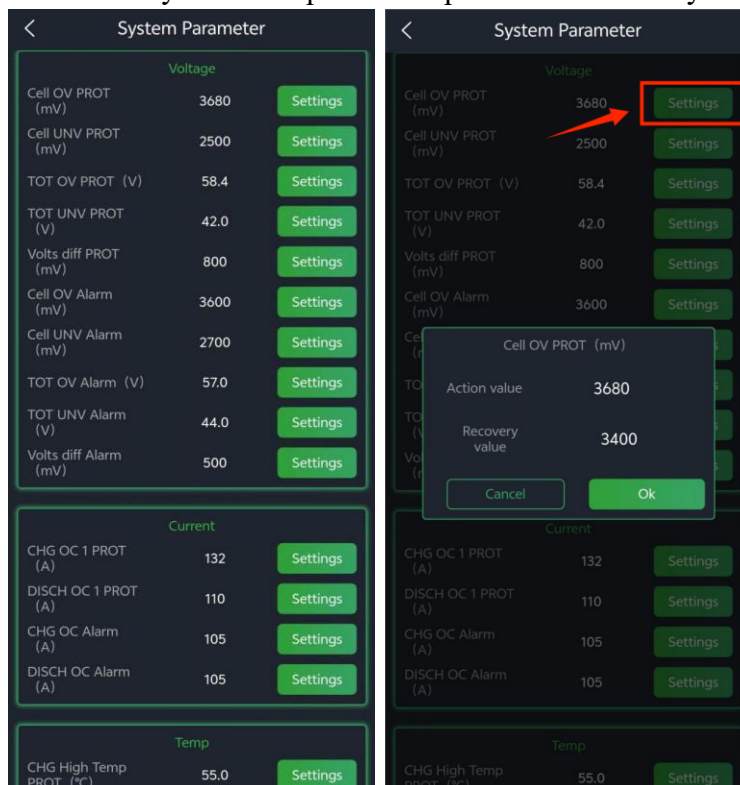
(Note: The data is updated every half an hour, when there is a current change, a fault status change, and a screen refresh when sliding down.)



3.2.5 参数设置 Parameter settings

该界面可读取、修改系统的基本保护参数。

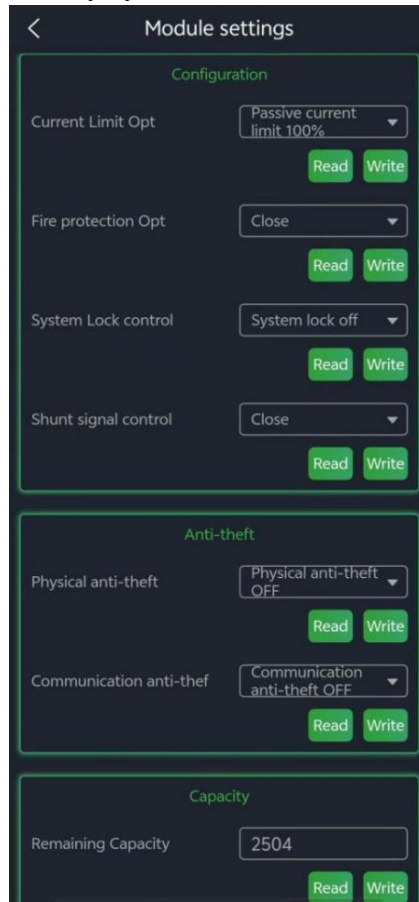
This interface can read and modify the basic protection parameters of the system.



3.2.6 PACK 系统设置 PACK system settings

该界面可对电池系统读取及设置。

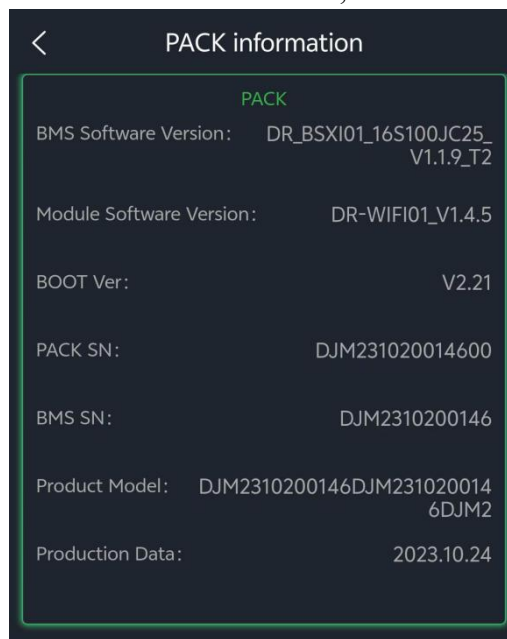
This interface can read and set the battery system.



3.2.7 PACK 信息 PACK information

该界面可查看 BMS 软件版本、模块软件版本等。

This interface allows you to view BMS software version, module software version, etc.



3.2.8 统计 Statistics

可以查看一天中 SOC 与电流的变化趋势。

You can view the changing trends of SOC and current during the day.



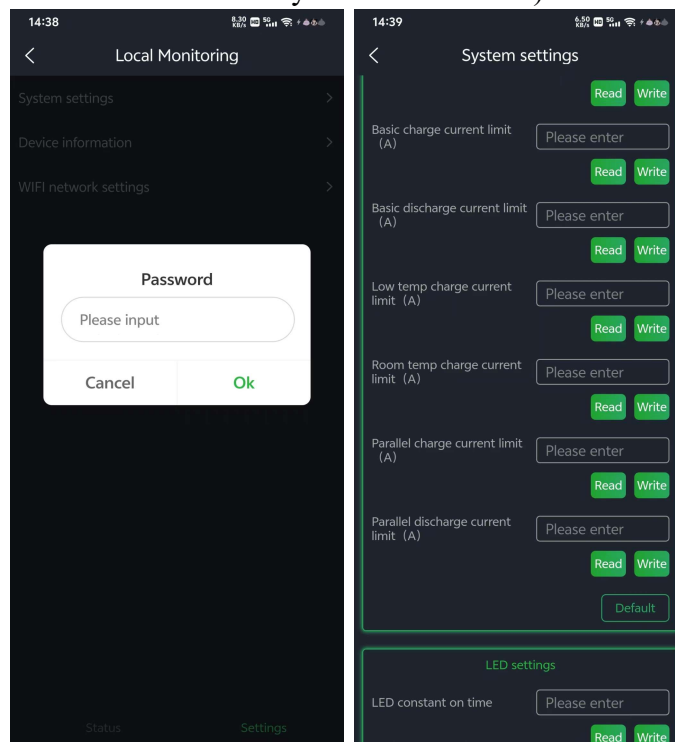
3.2.9 系统设置 System settings

该界面可对充放电使能、强充使能进行控制，对充放电限流值、时间进行修改以及协议选择。

(备注：登入密码需找制造厂家)

This interface can control the charge and discharge enable, forced charge enable, modify the charge and discharge current limit value and time, and select the protocol.

(Note: The login password needs to be found by the manufacturer)

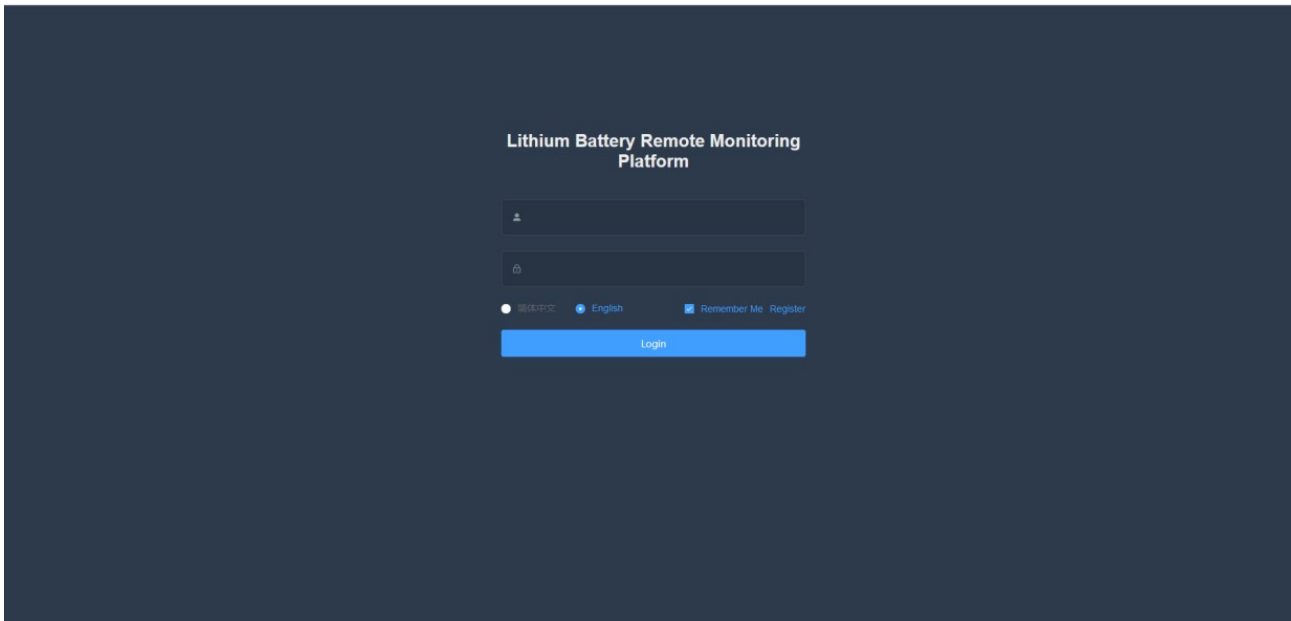


四、云平台功能介绍 Introduction to Cloud Platform Functions

4.1 平台登录 Platform login

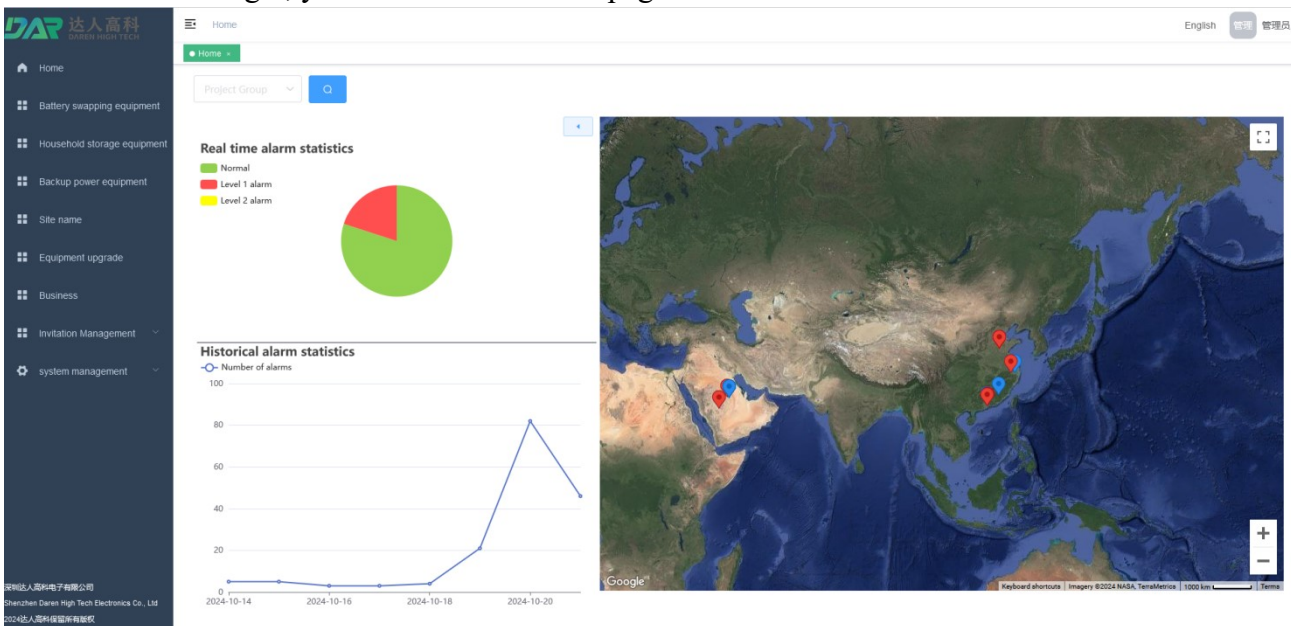
在浏览器地址栏输入提供的云平台网址（www.sp-iot.com）进入登录页面，输入账号和密码登录，也可通过邀请码注册账户。

Enter the provided cloud platform website (www.sp-iot.com) in the browser address bar to enter the login page, enter your account and password to log in, or register an account using an invitation code.



登录成功即可进入首页界面：

After successful login, you can enter the home page interface:



实时告警统计：统计在线设备的告警信息，显示一级告警和二级告警以及正常设备的数量

历史告警统计：统计一周在线设备所发生的告警数量

地图：显示设备的分布情况（此功能仅用于 DTU）

Real-time alarm statistics: Statistics of alarm information of online devices, displaying the number of first-level alarms, second-level alarms and normal devices

Historical alarm statistics: Statistics of the number of alarms generated by online devices in a week

Map: Displays the distribution of devices（This function is only used for DTU）

4.2 个人中心 User Center

个人中心的用户个人信息修改功能；密码修改功能；告警通知方式修改和配置的功能

Functions to modify personal information of users in the personal center; function to modify passwords; function to modify and configure alarm notification methods

4.2.1 个人信息 Personal Information

可对用户信息进行修改

User information can be modified

Personal Information Change Password Alarm notification method

Avatar



* Name Daren-001

Update

4.2.2 告警通知方式 Alarm notification method

这里可以选择勾选相应告警事件的通知方式，支持邮件和国内外短信通知。号码输入时需要加入国际区号，如中国号码前需要加入+86，勾选相应通知方式或相应告警事件后，当设备发生相应告警就会以邮件或短信方式通知用户

Here you can choose to check the notification method of the corresponding alarm event, which supports email and domestic and foreign SMS notifications. When entering the number, you need to add the international area code, such as +86 before the Chinese number. After checking the corresponding notification method or corresponding alarm event, when the device has a corresponding alarm, the user will be notified by email or SMS.

Home / User Center

User Center

Personal Information Change Password Alarm notification method

Notification Method

Phone +861831685****

Email 398566***@qq.com

Alarm Event

Fence alarm Anti theft lock Short circuit protection Reverse protection Individual undervoltage protection Overall undervoltage protection High temperature protection for battery charging

High temperature protection during battery discharge Charging overcurrent protection Discharge overcurrent protection

4.3 设备管理界面 Equipment management interface

此界面显示对应设备类型的全部设备，可查看到相应的客户群体、设备编码、版本信息、状态信息等

This interface displays all devices of the corresponding device type, and you can view the corresponding customer group, device code, version information, status information, etc.

Home > Backup power equipment

Batch Battery Pack Device ID/IMEI/ICCID Project Group Working Status Fence Status Tag Name

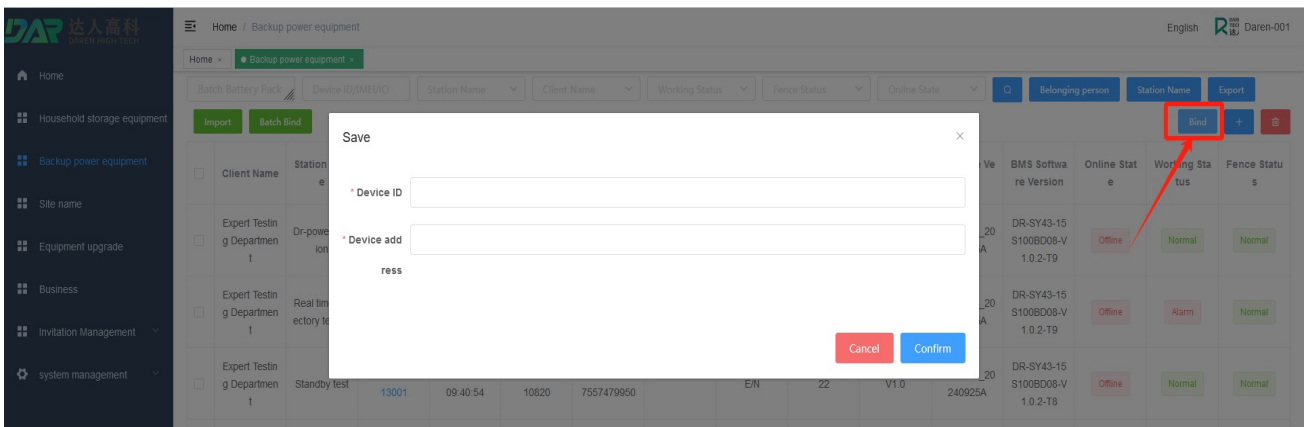
<input type="checkbox"/>	Project Group	Tag Name	Device ID	Update Date	IMEI	ICCID	Device address	Position Type	4G Signal Strength	Hardware Version	Software Version	BMS Software Version	Online Status	Working Status	Fence Status
<input type="checkbox"/>	Expert Testing Department - Backup Power Project	SY49 cycle test	DSM202406290002	2024-06-29 16:15:09	867255071413605	89860323247557479950		E/N	29	V1.0	HX513LE_20240613A	DR-SY49-15 S100BD07-V 1.0.1-T1	Online	Normal	Normal
<input type="checkbox"/>	Expert Testing Department - Backup Power Project	SY49 cycle test	DSM202406270001	2024-06-29 16:14:56	867255071476453	89860324247551672280		GPS Not Positioned	27	V1.0	HX513LE_20240613A	DR-SY49-15 S100BD07-V 1.0.1-T2	Online	Alarm	Normal

Total 2 100/page < 1 > Go to 1

4.4 绑定设备 Bind

在设备管理界面，点击绑定设备，输入设备编码后填写设备的安装地址即可完成设备绑定，设备绑定前需要上一级账户先添加设备编码。

In the device management interface, click Bind Device, enter the device code and fill in the device installation address to complete the device binding. Before binding the device, the upper-level account needs to add the device code first.



4.5 监控设备信息 Monitoring device information

配网成功的 WIFI 设备上线后会显示在线状态，可点击设备号查看详细信息。

After the WIFI device with successful network configuration goes online, its online status will be displayed. You can click the device number to view detailed information.

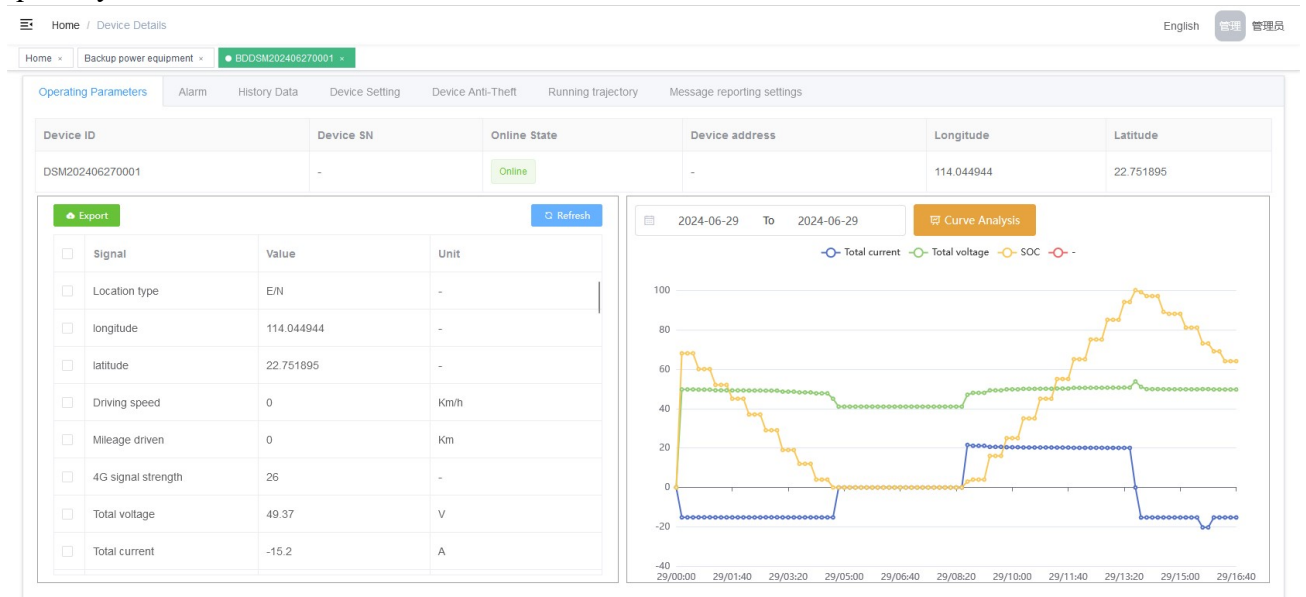
Project Group	Tag Name	Device ID	Update Date	IMEI	ICCID	Device address	Position Type	4G Signal Strength	Hardware Version	Software Version	BMS Software Version	Online Status	Working Status	Fence Status
Expert Testing Department - Backup Power Project	SY49 cycle test	DSM202406290002	2024-06-29 16:15:09	867255071413605	89860323247557479950		E/N	29	V1.0	HX513LE_20240613A	DR-SY49-15 S100BD07-V 1.0.1-T1	Online	Normal	Normal
Expert Testing Department - Backup Power Project	SY49 cycle test	DSM202406270001	2024-06-29 16:41:25	867255071476453	89860324247551672280		E/N	26	V1.0	HX513LE_20240613A	DR-SY49-15 S100BD07-V 1.0.1-T2	Online	Alarm	Normal

4.6 设备详细信息 Equipment Details

4.6.1 运行参数 Operating Parameters

点击设备编码将跳转至运行参数，在运行参数可查看到电池电压、电流、容量、温度、电池状态、生产信息、软硬件版本信息等，勾选相应信号量也可进行曲线分析。

Clicking the device code will jump to the operating parameters, where you can view the battery voltage, current, capacity, temperature, battery status, production information, software and hardware version information, etc. You can also perform curve analysis by checking the corresponding signal quantity.



4.6.2 告警信息 Alarm

点击告警可查看到电池组实时的告警信息和历史告警信息以及告警发生的时间，结束的时间等。

Click on the alarm to view the real-time alarm information and historical alarm information of the battery pack, as well as the time when the alarm occurred and when it ended.

实时告警 Real-time Alarm:

The screenshot shows the 'Real-time Alarm' section of the device details page. It features a table with the following data:

Device ID	Alarm Description	Start Time	Alarm Level
DSM202406270001	Battery discharge high temperature alarm	2024-06-29 13:46:54	3
DSM202406270001	Environmental high temperature alarm	2024-06-29 08:43:58	3

Below the table, there is a pagination control showing 'Total 2', '100/page', and a 'Go to 1' button.

历史告警：支持选择日期导出设备的所有告警信息

Historical Alarm: Supports exporting all alarm information of the device by selecting a date

The screenshot shows the 'Historical Alarm' section. It includes a date range selector set to '2024-06-29 To 2024-06-29' and an 'Export' button. The table below contains the following data:

Device ID	Alarm Description	Start Time	End Time	Alarm Level
DSM202406270001	Individual overvoltage protection	2024-06-29 13:38:06	2024-06-29 13:46:49	2
DSM202406270001	Overall overvoltage alarm	2024-06-29 13:37:04	2024-06-29 13:48:22	3
DSM202406270001	Individual overvoltage alarm	2024-06-29 13:36:50	2024-06-29 13:52:00	3

4.6.3 历史数据 History Data

云历史数据：模块定时及存在充放电事件上传的历史数据或通过点击刷新记录的数据

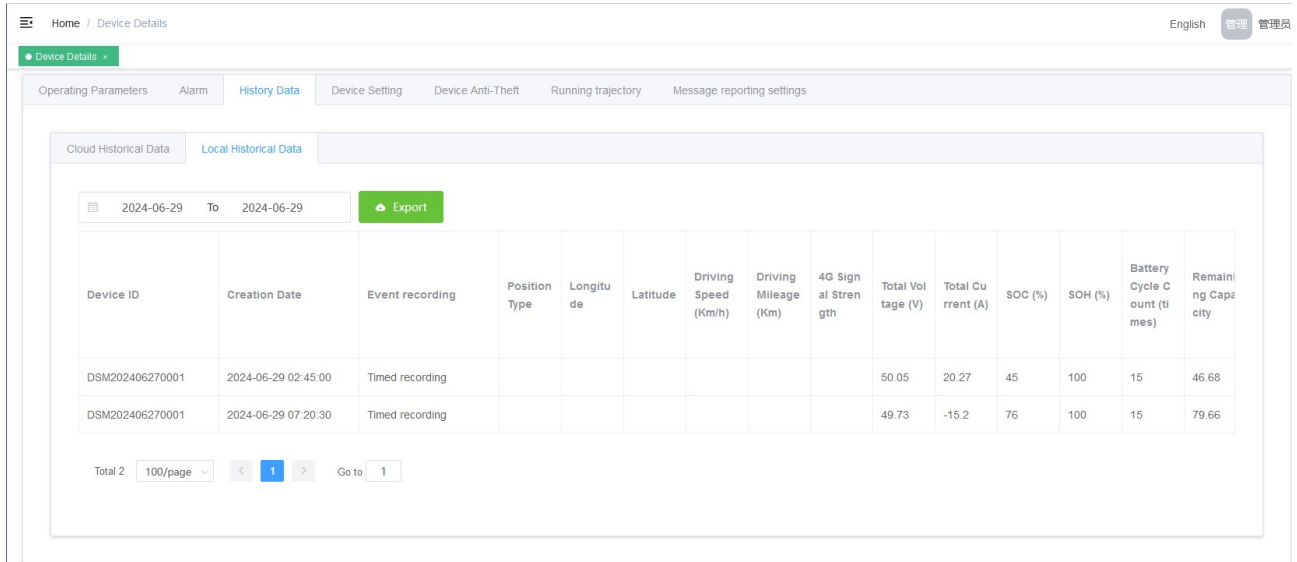
Cloud Historical Data: historical data uploaded by module timing and charge and discharge events or data refreshed by clicking

The screenshot shows the 'Cloud Historical Data' section. It includes a date range selector set to '2024-06-29 To 2024-06-29' and an 'Export' button. The table below contains the following data:

Device ID	Creation Date	Batch Number	Position Type	Longitude	Latitude	Driving Speed (Km/h)	Driving Mileage (Km)	4G Signal Strength	Total Voltage (V)	Total Current (A)	SOC (%)	SOH (%)	Battery Cycle Count (times)	Remaining Capacity	Full
DSM202406270001	2024-06-29 00:01:23	1719619283999	E/N	114.044919	22.75171	0	0	25	49.68	-15.16	68	100	5	68	1
DSM202406270001	2024-06-29 00:31:23	1719621083999	E/N	114.044905	22.751698	0	0	25	49.58	-15.12	60	100	5	60.32	1

本地历史数据：设备因网络问题离线后模块记录的数据。当模块再次上线时，上传离线时记录的数据（仅用于DTU模块）

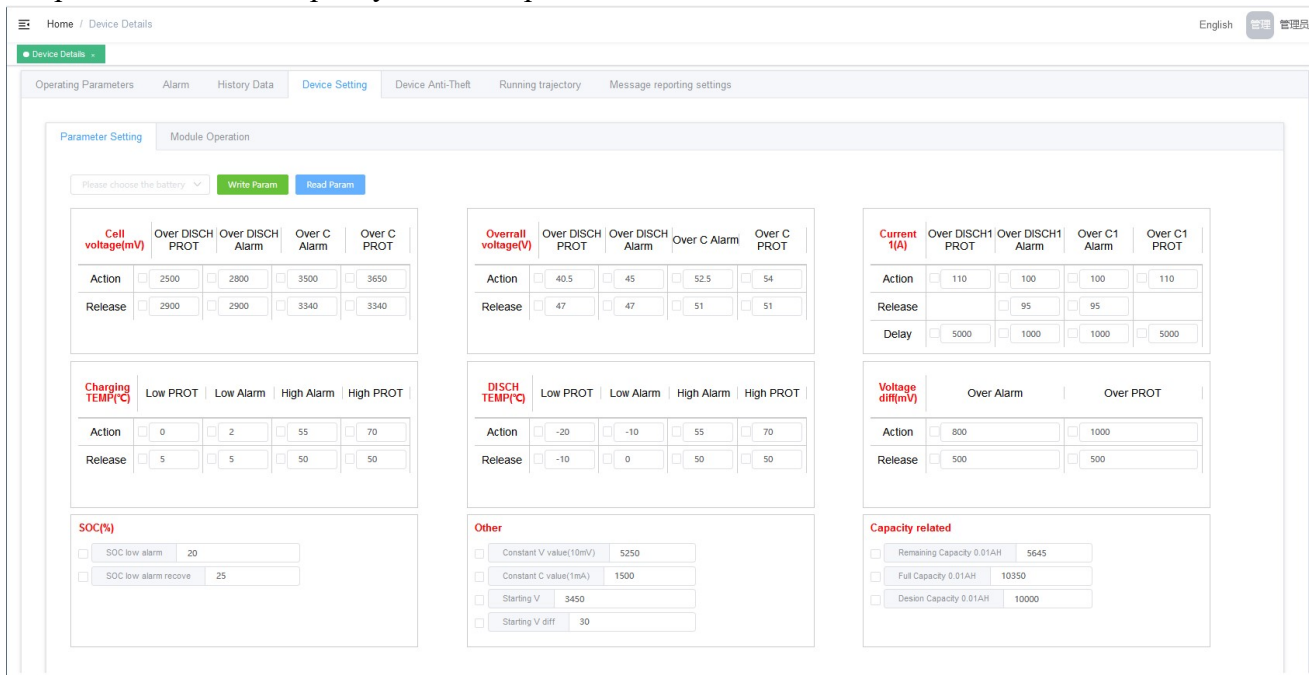
Local Historical Data: The data recorded by the module after the device goes offline due to network problems. When the module comes online again, the data recorded when it was offline is uploaded (For DTU modules only)



4.6.4 设备设置 Device Setting

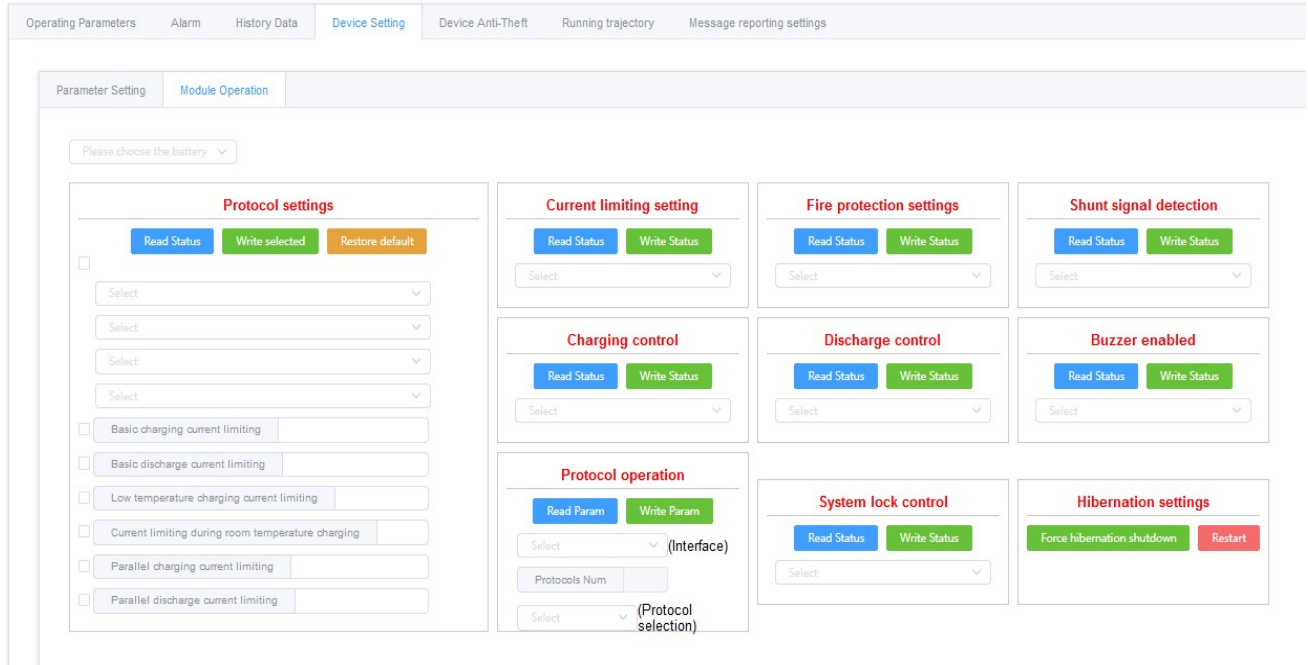
参数设置：可修改单体，总体电压保护参数以及温度、电流，容量等参数

Parameter Setting: You can modify the single cell, overall voltage protection parameters, as well as temperature, current, capacity and other parameters



模块操作：可进行限流模式设置、消防设置、分励信号检测、充、放电 MOS 控制、蜂鸣器使能、休眠设置等功能

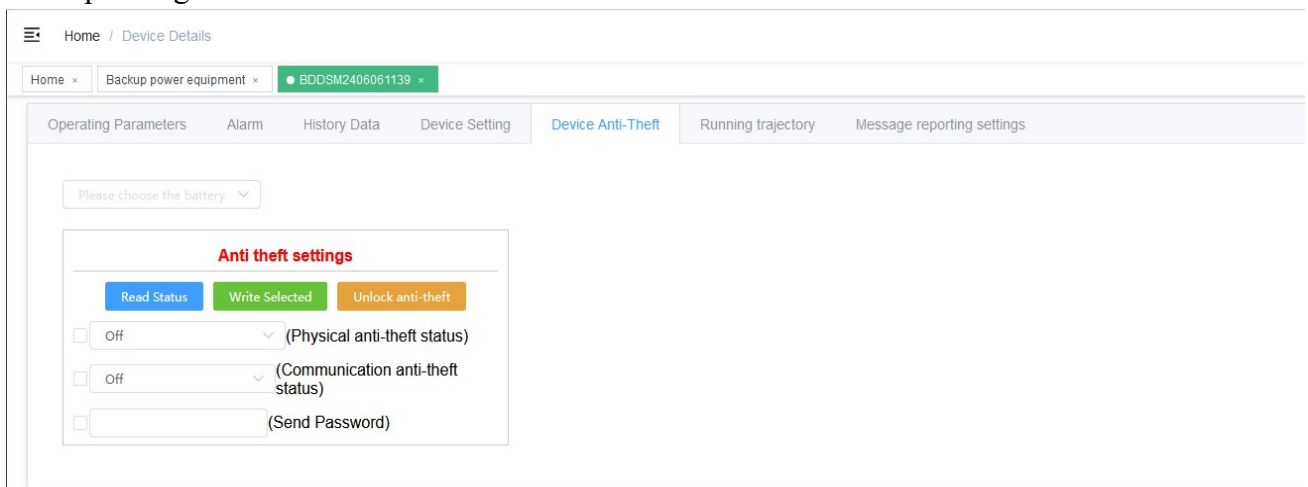
Module Operation: current limiting mode setting, fire setting, shunt signal detection, charge and discharge MOS control, buzzer enable, sleep setting, etc.



4.6.5 设备防盗 Device Anti-Theft

可远程开启物理防盗和通讯防盗功能，并支持远程解锁。操作相应的指令前需要先下发防盗密码

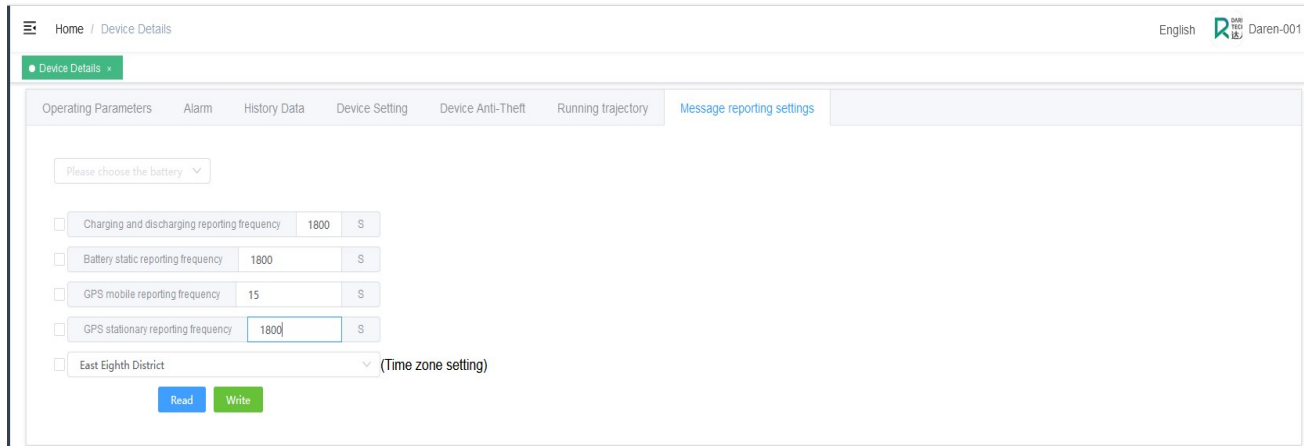
The physical anti-theft and communication anti-theft functions can be remotely activated, and remote unlocking is supported. The anti-theft password must be issued before operating the corresponding command.



4.7 报文上报设置 Message reporting settings

这个界面可以对电池信息更新的时间进行设置以及时区的设置，充、放电上报间隔和待机上报间隔默认 30 分钟更新一次电池信息，可支持设置。

This interface can set the battery information update time and time zone. The charge and discharge reporting interval and standby reporting interval are updated every 30 minutes by default.



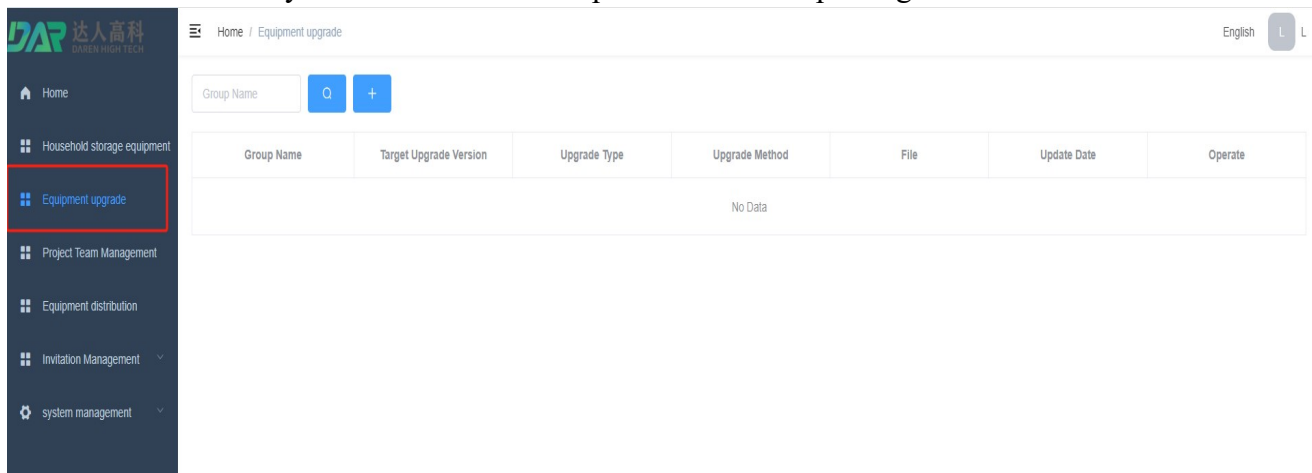
时区设置：选择所在国家的时区，在云平台看到的电池数据时间就可以和当地时间一致

Time zone setting: Select the time zone of your country, and the battery data time you see on the cloud platform will be consistent with the local time.

4.8 设备升级 Equipment upgrade

可支持对 BMS，WIFI 模块进行远程升级，可批量或单台下发升级任务，方便功能的优化与更新。

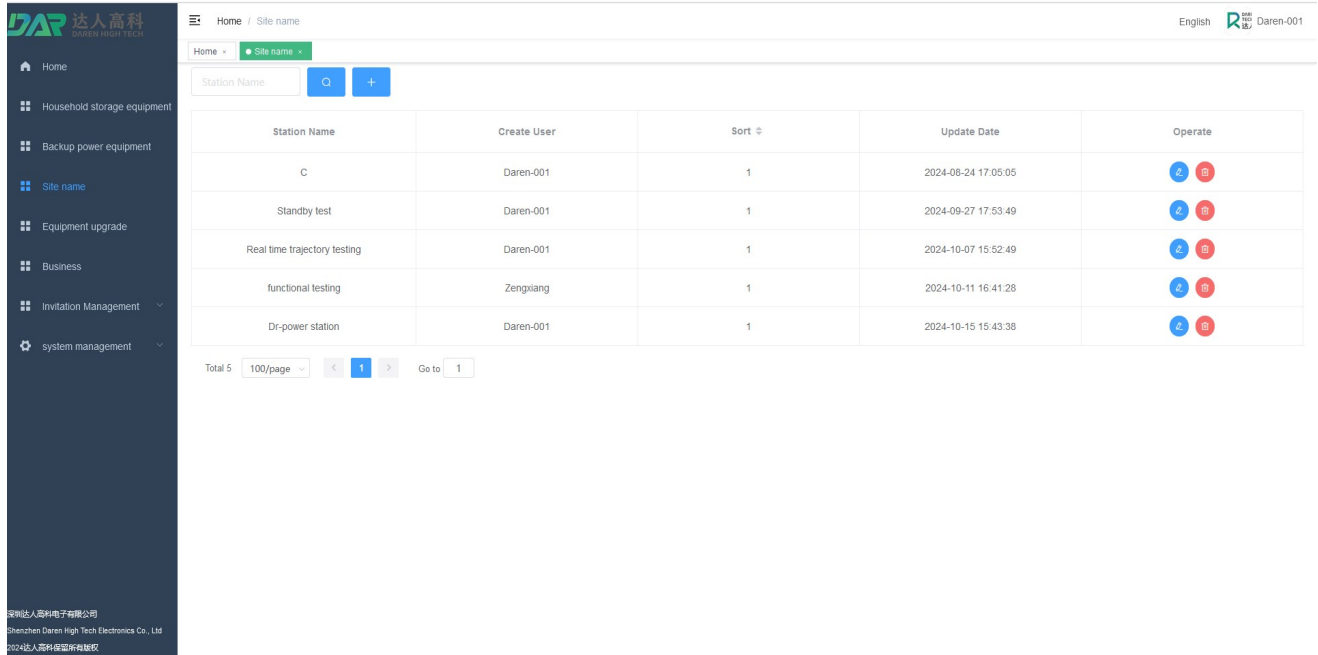
It can support remote upgrade of BMS and WIFI modules, and can issue upgrade tasks in batches or individually to facilitate function optimization and updating.



4.9 站点名称 Site name

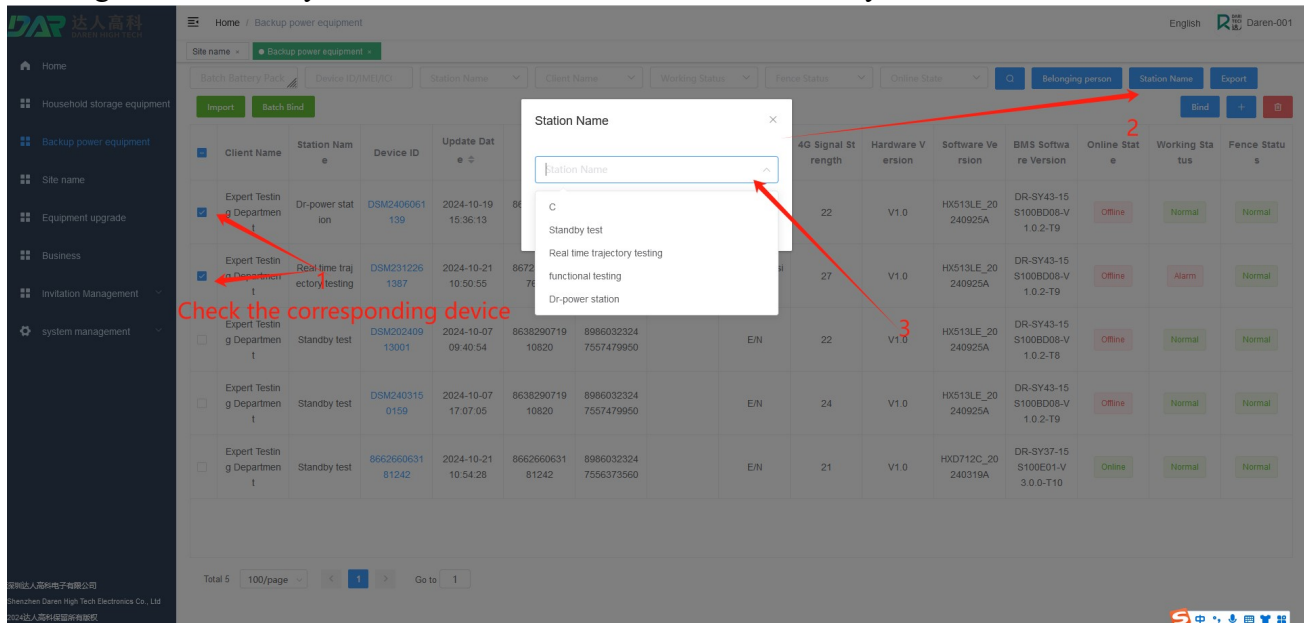
可对不同的电池组进行命名，方便对电池组进行管理和区别。

Different battery packs can be named to facilitate management and distinction of battery packs.



首先要创建站点名称，创建好站点名称后在设备监控界面勾选相应的设备，再点击右上角站点名称，点击站点名称后就可以对所选择的电池设备进行站点命名

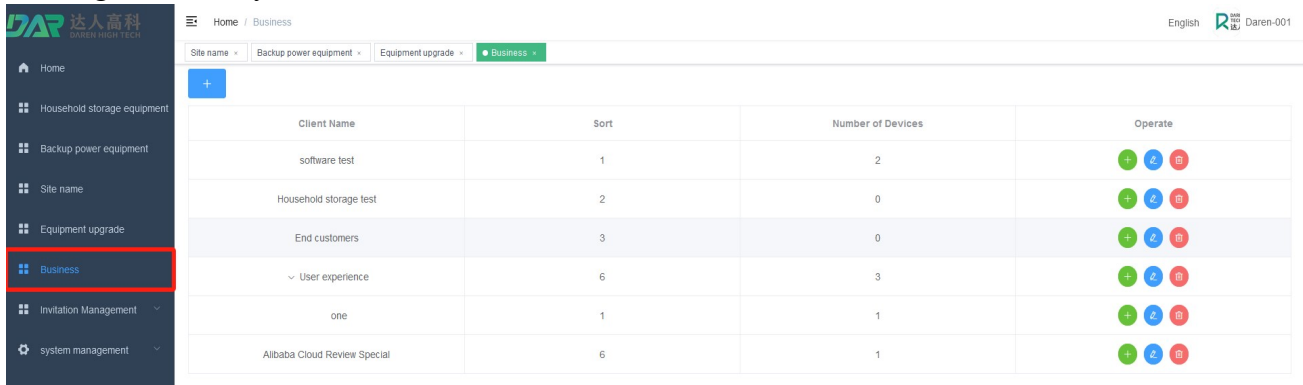
First, you need to create a site name. After creating the site name, check the corresponding device in the device monitoring interface, and then click the site name in the upper right corner. After clicking the site name, you can name the site for the selected battery device.



4.10 我的业务 Business

这里体现的是下级客户群体，可以查看到下级客户的设备数量。当创建二级账号时需要在此界面创建客户名称，创建客户名称后在创建二级账号时选择相应的客户名称。

This reflects the subordinate customer group, and you can view the number of devices of the subordinate customers. When creating a secondary account, you need to create a customer name on this interface. After creating the customer name, select the corresponding customer name when creating a secondary account.



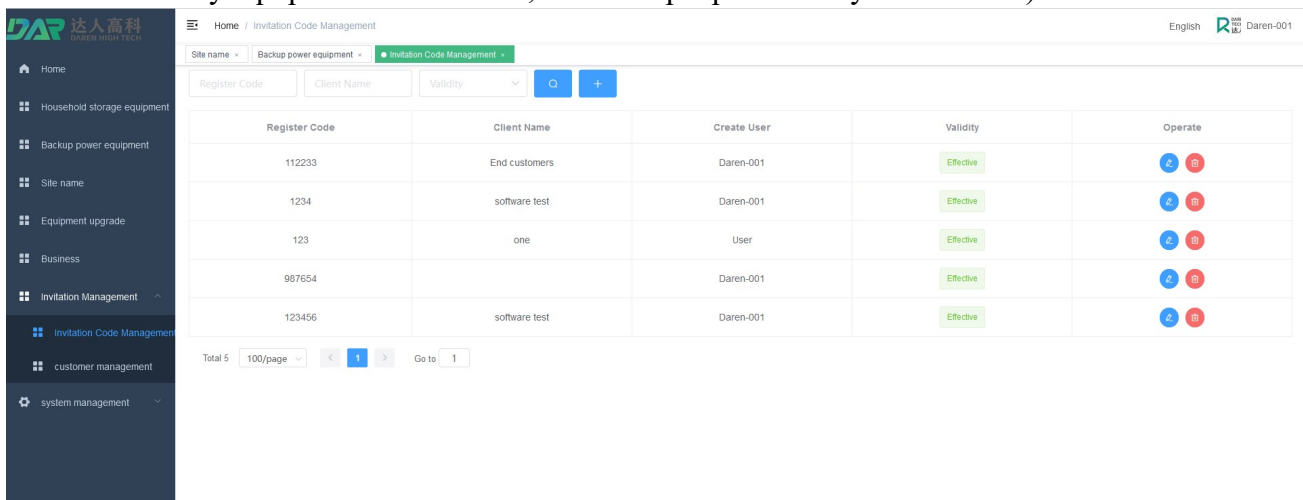
4.11 邀请管理 Invitation Management

用户可以通过邀请码自己注册，使用云平台更加便捷，在这个界面可以对注册的用户进行管理。

(适用于终端客户，角色的权限只能选择终端客户，只能查看到自己的电池设备信息，不能查看到其他人的电池信息)

Users can register themselves through the invitation code, which makes it more convenient to use the cloud platform. Registered users can be managed on this interface.

(Applicable to end customers, the role permissions can only select end customers, and can only view their own battery equipment information, not other people's battery information)



邀请码创建示例：

第一步：先在我的业务界面创建客户名称

第二步：角色管理界面权限创建终端客户角色

第三步：在邀请码管理界面点击添加就可以设置邀请码

Example of creating an invitation code:

Step 1: Create a customer name in the My Business interface

Step 2: Create a terminal customer role in the role management interface

Step 3: Click Add in the invitation code management interface to set the invitation code

用户管理界面 **customer management**:

此界面可以对通过邀请码注册的用户进行管理，点击编辑可以对用户进行重置密码，对账号的有效性进行管理

This interface can manage users who registered through invitation codes. Click Edit to reset the user's password and manage the validity of the account

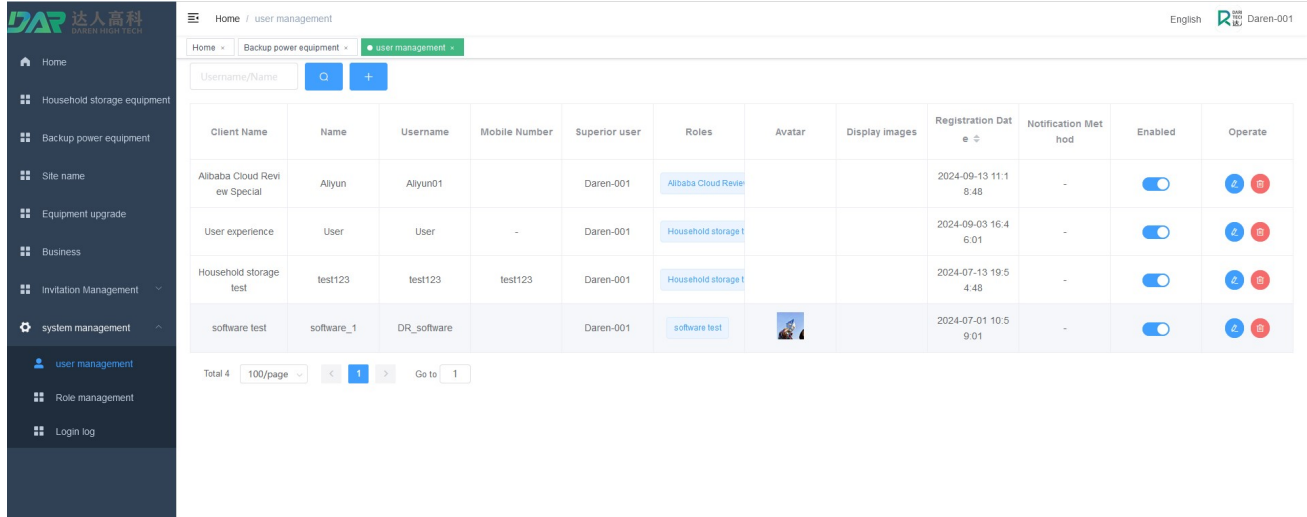
Client Name	Name	Username	Mobile Number	Superior user	Roles	Avatar	Display images	Registration Date	Notification Method	Enabled	Operate
End customers	Zengxiang	Zengxiang		Daren-001	End customers			2024-10-11 16:41:04	-	<input checked="" type="checkbox"/>	+ -
End customers	zeng123	zeng123		Daren-001	End customers			2024-10-08 16:40:52	-	<input checked="" type="checkbox"/>	+ -
one	bind	bind		User	test			2024-10-08 08:43:20	-	<input checked="" type="checkbox"/>	+ -
	Zm	Zm		Daren-001	YO1			2024-08-27 15:26:08	-	<input checked="" type="checkbox"/>	+ -
	lifang	lifang		Daren-001	YO1			2024-08-20 11:26:30	-	<input checked="" type="checkbox"/>	+ -
	zc	zc		Daren-001	YO1			2024-08-02 11:33:16	-	<input checked="" type="checkbox"/>	+ -
	zx	zx		Daren-001	YO1			2024-08-02 11:26:37	-	<input checked="" type="checkbox"/>	+ -


Total 7 | 100/page | 1 | Go to 1

4.12 系统设置 system management

系统设置中有用户管理，角色管理，登录日志等信息；

The system settings include user management, role management, login log and other information;



Client Name	Name	Username	Mobile Number	Superior user	Roles	Avatar	Display images	Registration Date	Notification Method	Enabled	Operate
Alibaba Cloud Review Special	Alyun	Alyun01		Daren-001	Alibaba Cloud Review			2024-09-13 11:18:48	-	<input checked="" type="checkbox"/>	Edit Delete
User experience	User	User	-	Daren-001	Household storage			2024-09-03 16:46:01	-	<input checked="" type="checkbox"/>	Edit Delete
Household storage test	test123	test123	test123	Daren-001	Household storage			2024-07-13 19:54:48	-	<input checked="" type="checkbox"/>	Edit Delete
software test	software_1	DR_software		Daren-001	software test			2024-07-01 10:59:01	-	<input checked="" type="checkbox"/>	Edit Delete

4.12.1 用户管理 user management

这个界面是为二级客户开通账号的，也可以对所开通账号的账号进行管理

This interface is for secondary customers to open accounts, and can also manage the accounts opened.

添加用户流程：

第一步：在我的业务界面添加客户名称

第二步：创建客户角色或使用已经创建好的角色（可根据客户需求对不同的客户开放不同的权限）

第三步：点击添加，选择相应客户名称以及配置好的角色，填写相应用户名和密码后即可完成二级用户的创建。（在编辑二级密码的时候建议统一密码都设置为：999999）二级密码是用于设置参数，修改参数界面使用的

Add user process:

Step 1: Add the customer name in my business interface

Step 2: Create a customer role or use an already created role (different permissions can be opened to different customers according to customer needs)

Step 3: Click Add, select the corresponding customer name and configured role, fill in the corresponding user name and password to complete the creation of the secondary user. (When editing the secondary password, it is recommended to set the unified password to: 999999) The secondary password is used to set parameters and modify the parameter interface.

4.12.2 角色管理 Role management

这个界面创建相应的用户角色，在创建账户或邀请码时选择不同的角色，账户将拥有不同的数据权限功能

This interface creates corresponding user roles. When creating an account or invitation code, select different roles, and the account will have different data permissions and functions.

数据权限功能说明：在点击数据权限时有二级权限，三级权限，终端客户等数据权限。

Data permission function description: When you click on data permission, there are second-level permission, third-level permission, terminal customer and other data permissions.

The screenshot shows a web form for role management. At the top is a text input field labeled '* Name'. Below it is a dropdown menu labeled '* Data Permission' with 'Select' as the current selection. The dropdown is open, showing three options: 'Level2 permissions', 'Level3 permissions', and 'End customers'. Below the dropdown is a section labeled 'Menu Permission' with three checkboxes: 'Business', 'Invitation Management', and 'system management'. The entire form area is enclosed in a red border.

二级权限：可以查看到属于自己的设备以及下级客户的设备

三级权限：只能查看到属于自己的设备，不能看到下级客户的设备数据

终端用户：只能查看到自己的设备

角色创建流程：

第一步：进入角色管理界面，点击添加即可进入角色配置界面。

第二步：输入需要创建的角色名称

第三步：选择角色的数据权限

第四步：勾选相应功能配置，可以选择需要功能为下一级用户开放，具有灵活的功能选配

Second level permissions: can view your own devices and devices of lower-level customers

Third level permissions: can only view your own devices, cannot see the device data of lower-level customers

End users: can only view their own devices

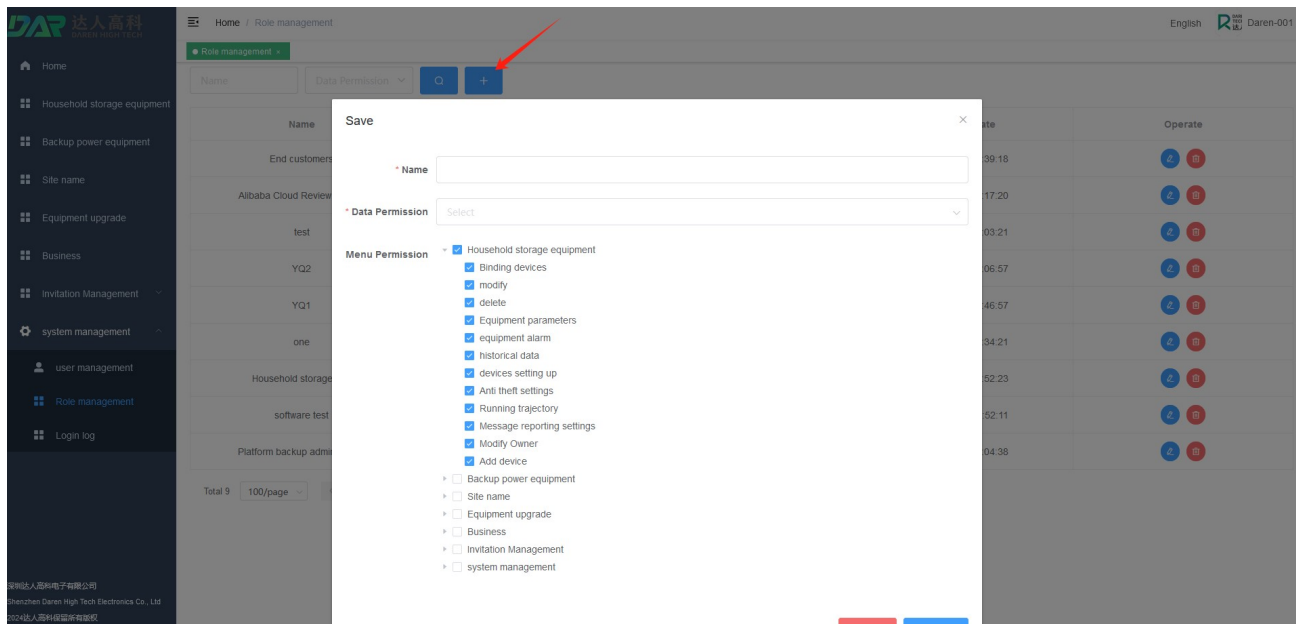
Role creation process:

Step 1: Enter the role management interface, click Add to enter the role configuration interface.

Step 2: Enter the role name to be created

Step 3: Select the data permissions of the role

Step 4: Check the corresponding function configuration, you can choose the required function to be open to the next level of users, with flexible function selection



4.12.3 登录日志 Login log

可以查看到该账号登录的设备IP及账号登录信息等

you can view the device IP and account login information of the account logged in.

