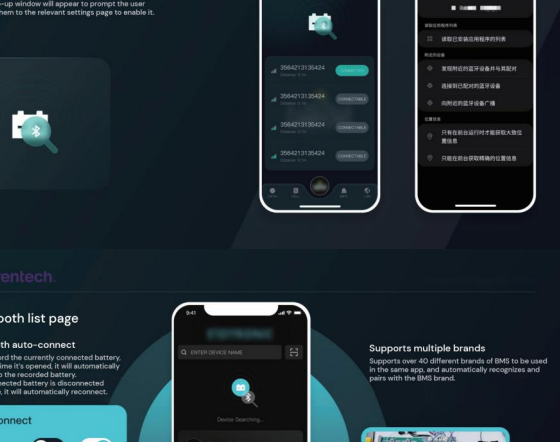


Product Features and Structure

Product Features and Structure



Bluetooth connection

Function description

Automatically scan for nearby Bluetooth devices and check if the phone has Bluetooth permissions enabled. If not, a pop-up window will appear to prompt the user and guide them to the relevant settings page to enable it.

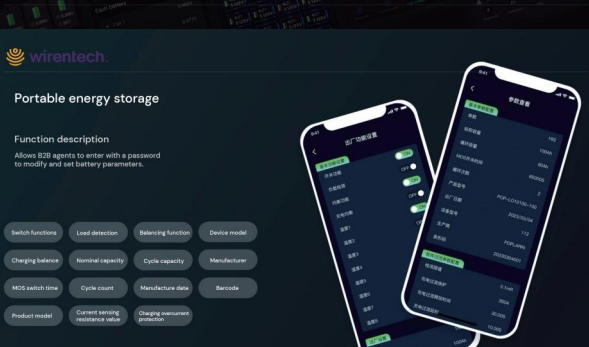


Bluetooth list page

Bluetooth auto-connect
It will record the currently connected battery, and next time it is opened, it will automatically connect to the recorded battery. If the connected battery is disconnected during use, it will be automatically reconnected.

Auto Connect

Automatically match battery images
It will automatically match the battery model and display the corresponding real image. Bluetooth signals will be automatically sorted in ascending order from nearest to farthest.

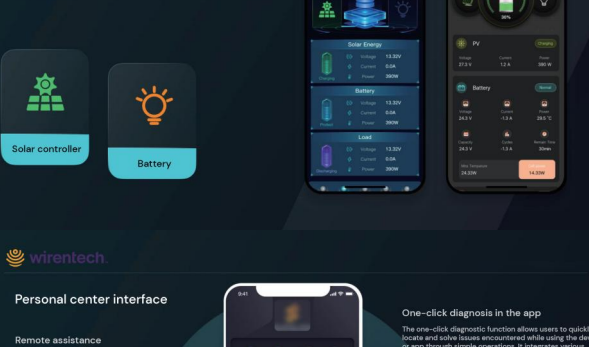


Dial interface

The dial page style is designed by the designer based on practical scenarios. If it's for an electric vehicle, it will display a real image of the electric bike along with elements like battery level, power switch, driving range, and charge/discharge time.

CAPACITY * 88% VOLTAGE * 3.6v

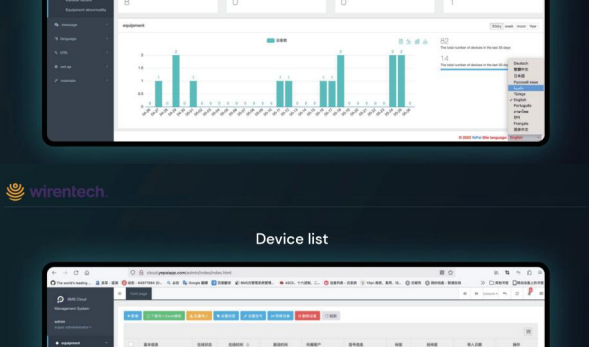
CURRENT * 3.6A POWER * 13.12W



Portable energy storage

Function description
Real-time display of various battery statuses, including protection alarms and cell balancing voltage differences.

Home storage type
Simultaneously stored 4 sets of batteries and display the information for each set, along with series/parallel networking information.



CELL PAGE

Portable energy storage

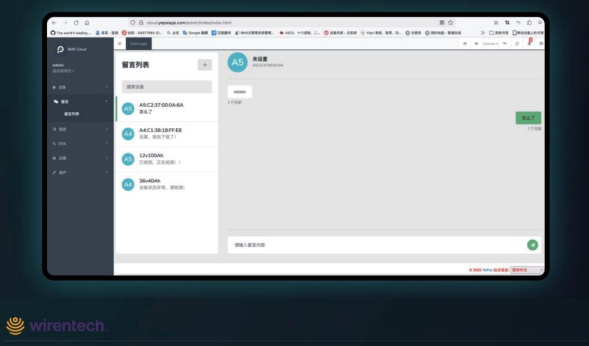
Function description
Allows B2B agents to enter with a password to modify and set battery parameters.

Switch functions: Load detection, Balancing function, Device model

Charging balance: Nominal capacity, Cycle capacity, Manufacturer

MSD switch time: Cycle count, Manufacture date, Barcode

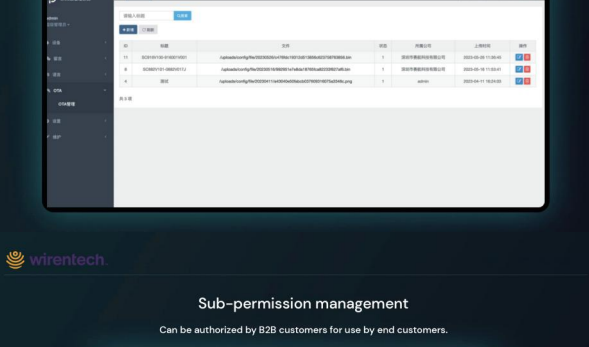
Product model: Current setting, resistance value, Charging protection



History records

Function description
View the battery's history records, tracking current and voltage changes at various time points. It also monitors daily current values, highest/lowest voltages, the highest cell temperature, and MSD transistor temperature.

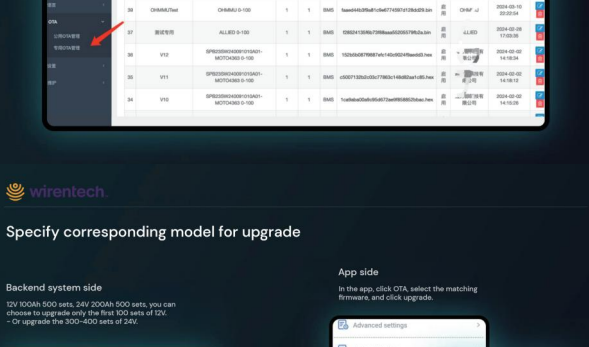
Battery history, Battery events, Current and voltage status



Dual connection

Function description
Simultaneously connect the solar controller and the battery in the same app, displaying both the solar controller and battery parameters on the interface.

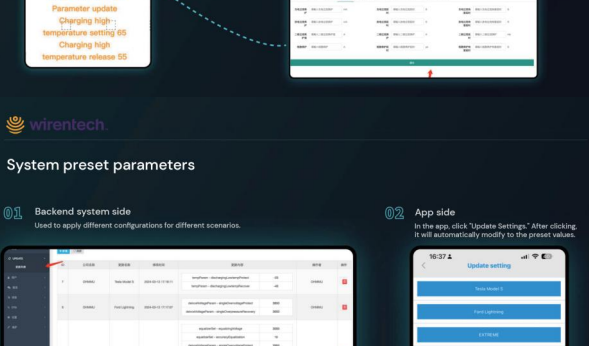
Solar controller, Battery



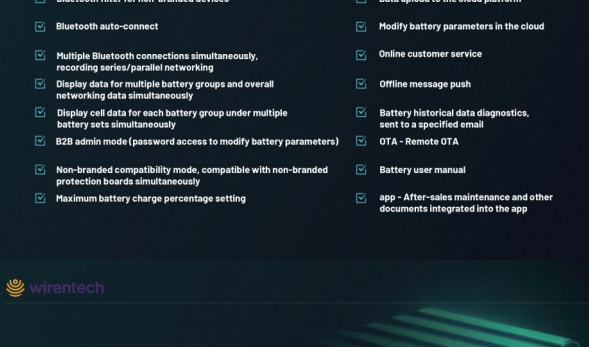
Personal center interface

Remote assistance
In case of after-sales issues, remote assistance is available. Online help for setting battery parameters, OTA remote firmware upgrades, and customer battery information can be sent to the customer's email with one click, and the firmware can be upgraded remotely, greatly reducing the customer's usage costs.

OTA remote firmware upgrade
OTA remote firmware upgrade, customer battery information can be sent to the customer's email with one click, and the firmware can be upgraded remotely, greatly reducing the customer's usage costs.



Data statistics



Device list

Device ID	Device Name	Device Model	Device Status	Device Location	Device Temperature	Device Voltage	Device Current	Device Power	Device Capacity	Device Cycle Count	Device Manufacturer	Device Barcode	Device Product Model	Device Current Setting	Device Resistance Value	Device Charging Protection
1	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
2	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
3	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
4	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
5	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah

Device location

View detailed information for a single battery

Device ID	Device Name	Device Model	Device Status	Device Location	Device Temperature	Device Voltage	Device Current	Device Power	Device Capacity	Device Cycle Count	Device Manufacturer	Device Barcode	Device Product Model	Device Current Setting	Device Resistance Value	Device Charging Protection
1	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
2	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
3	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
4	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
5	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah

Customer service system

Device ID	Device Name	Device Model	Device Status	Device Location	Device Temperature	Device Voltage	Device Current	Device Power	Device Capacity	Device Cycle Count	Device Manufacturer	Device Barcode	Device Product Model	Device Current Setting	Device Resistance Value	Device Charging Protection
1	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
2	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
3	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
4	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
5	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah

System management

Cloud backend controls the app's voice system, supporting all languages except those of Arab countries.

Device ID	Device Name	Device Model	Device Status	Device Location	Device Temperature	Device Voltage	Device Current	Device Power	Device Capacity	Device Cycle Count	Device Manufacturer	Device Barcode	Device Product Model	Device Current Setting	Device Resistance Value	Device Charging Protection
1	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
2	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
3	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
4	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
5	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah

OTA firmware cloud management

The app automatically downloads firmwares from the server to update the BMS.

Device ID	Device Name	Device Model	Device Status	Device Location	Device Temperature	Device Voltage	Device Current	Device Power	Device Capacity	Device Cycle Count	Device Manufacturer	Device Barcode	Device Product Model	Device Current Setting	Device Resistance Value	Device Charging Protection
1	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
2	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
3	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
4	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
5	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah

Sub-permission management

Can be authorized by B2B customers for use by end customers.

管理员

管理设备名称

管理设备ID

管理设备型号

管理设备品牌

管理设备状态

管理设备位置

管理设备温度

管理设备电压

管理设备电流

管理设备功率

管理设备容量

管理设备循环次数

管理设备制造商

管理设备条形码

管理设备产品型号

管理设备当前设置

管理设备电阻值

管理设备充电保护

Cloud OTA illustration

Device ID	Device Name	Device Model	Device Status	Device Location	Device Temperature	Device Voltage	Device Current	Device Power	Device Capacity	Device Cycle Count	Device Manufacturer	Device Barcode	Device Product Model	Device Current Setting	Device Resistance Value	Device Charging Protection
1	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
2	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
3	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
4	12V-100Ah-500	12V-100Ah-500	Offline	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah
5	12V-100Ah-500	12V-100Ah-500	Online	12V-100Ah-500	25.0°C	12.8V	3.6A	13.12W	100Ah	100	12V-100Ah-500	1234567890	12V-100Ah-500	12.8V	13.12W	100Ah

Specify corresponding model for upgrade

Backend system side

12V 100Ah 500 sets, 24V 200Ah 500 sets, you can choose to upgrade only the first 100 sets of 12V.

OTA upgrade the 100-400 sets of 24V.

App side

In the app, click OTA, select the matching firmware, and click upgrade.

Cloud repair for a single battery

01 After a fault occurs with the end customer, the app side clicks on "Request Help."

02 The cloud backend will receive the customer's battery information. After modifying the required information, click "Submit." The cloud will send the modification details to the app side.

03 The app will display a modification prompt. Click "Confirm" to automatically modify the BMS parameters.

System preset parameters

01 Backend system side

Used to apply different configurations for different scenarios.