

Easy Swapping APP

-Equipment Operation and Maintenance Manual

满电云-设备运维使用教程

● Bluetooth Operation and Maintenance Connection Method

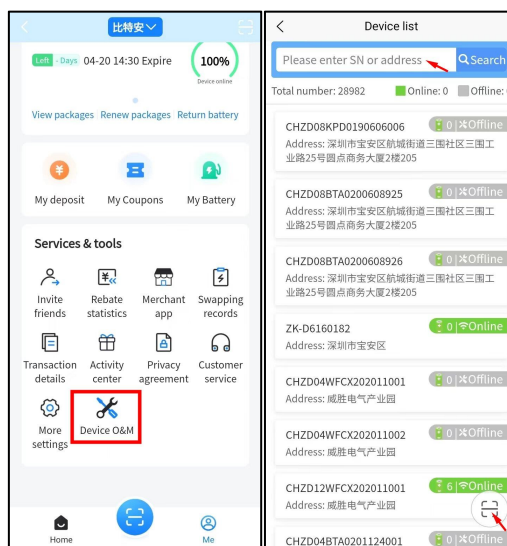
(蓝牙运维连接方式)

1. Open the Easy Swapping APP, click on "My" page, and then click "Equipment Operation and Maintenance".

满电云 APP-【我的】页面，点击【设备运维】。

2. Choose to scan the QR code or enter the battery swap cabinet number/address to search for the cabinet that needs maintenance.

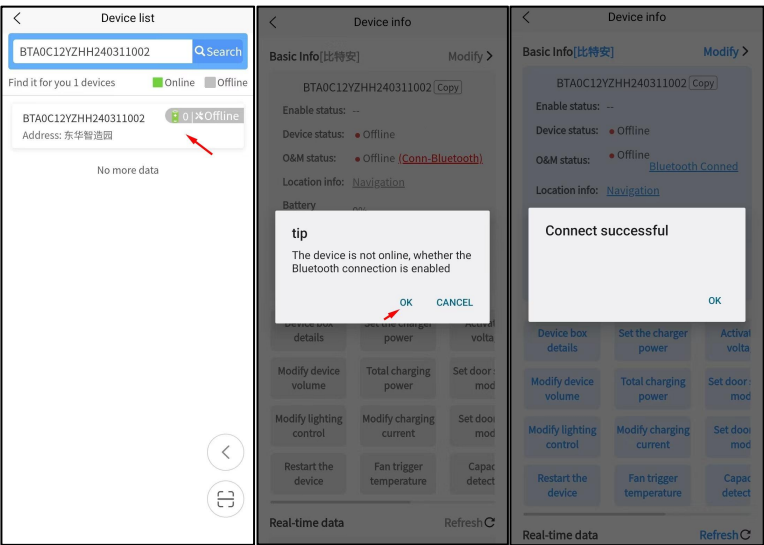
选择扫码，或输入换电柜编号/地址搜索的方式，找到需维护的换电柜。



3. Click on the specific cabinet to enter the operation and maintenance interface.

At this time, both the device status and the operation and maintenance status are offline. According to the prompt on the page, confirm to enable Bluetooth connection and turn on Bluetooth on your phone. Wait for a moment, the Bluetooth connection will be successful, and the color of the operation and maintenance interface will change from gray to blue. The operation and maintenance personnel can modify various function settings and perform real-time operation and maintenance operations (the settings uploaded to the platform need to be connected to the Internet).

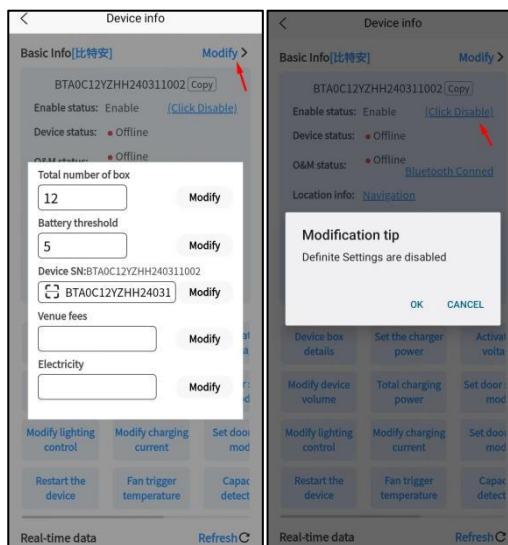
点击该台换电柜，进入运维界面，此时设备在线状态与运维在线状态皆为离线，根据页面提示确定启用蓝牙连接，并打开手机蓝牙。稍等片刻，蓝牙连接成功，运维界面颜色由灰变蓝，运维人员可修改各功能设置，实时进行运维操作（更改后的设置上传平台需联网）。



- Functions and Operations(各功能操作)

1. Basic Information(基础信息)

a. Click "Basic Information - Modify" to modify the total number of box, battery swap threshold, battery swap cabinet number, venue fee, and electricity fee for the device.



b. If the device needs to be temporarily disabled due to special reasons but does not need to be powered off or disconnected from the network, click "Disable".

c. Click " Navigation" to determine the device's location and jump to the Google Maps app for navigation.

点击【基础信息-修改】，可对该设备的机柜总仓数、换电阈值、换电柜编号、场地费、电费进行修改。

若因特殊原因，需暂停使用该设备但不需断电断网，可【点击禁用】。

点击【地址导航】，可确定该设备定位，并跳转谷歌地图 APP 进行导航。

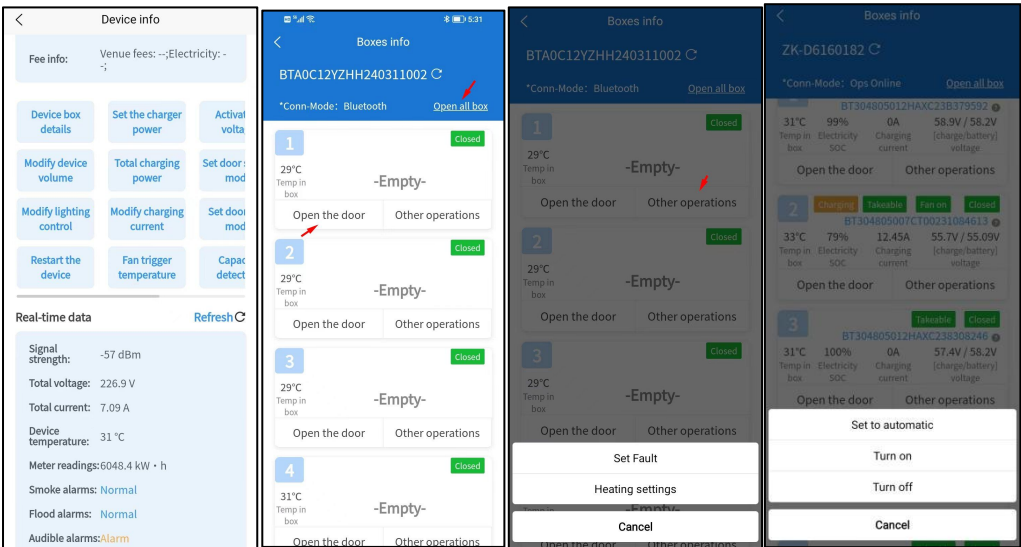
2. Basic Functions(基础功能)

a. Device Box Details 【仓位详情】

i. Click " Device Box Details" to view the status of each battery compartment and battery.

ii. To open all battery compartments, click "Open All Box".

iii. To open a specific battery compartment, select the compartment number and click "Open The Door".



iv. After clicking "Other Operations - Set Fault" for a specific compartment, the battery compartment will be marked as faulty, and it is not allowed to change the battery or charge.

v. Click "Other Operations – Heating Settings" for a specific compartment to set the heating film to automatic , turn on, or turn off (the heating film is automatically set to turn on at 0℃ and turn off at 5℃ by default).

点击【仓位详情】，可查看各电池仓及电池状态；

需打开所有电池仓，可点击一键开仓；

需打开指定电池仓，可根据仓门编号，选定需打开的电池仓，点击打开仓门，即可开仓。

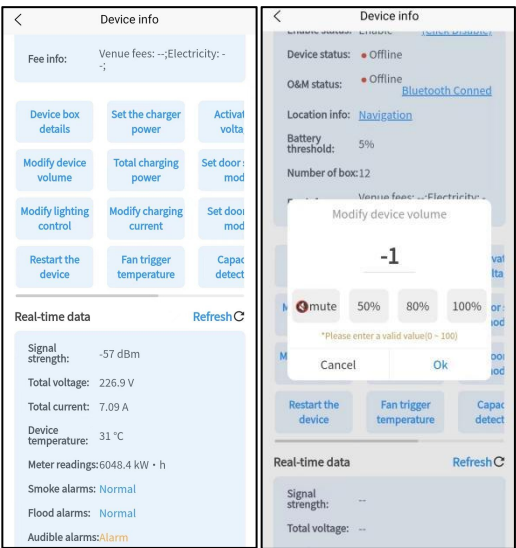
点击指定仓的其他操作-设为故障后，该电池仓为故障仓，不可换电且停止充电。

点击指定仓的其他操作-加热设置，可设置加热膜为设为自动/强制打开/强制关闭（加热膜默认自动设置为 0℃打开，加热到 5℃关闭）。

b. Modify Device Volume 【修改设备音量】

After clicking, you can manually enter the device volume (0-100) or choose Silent/50%/80%/100%.

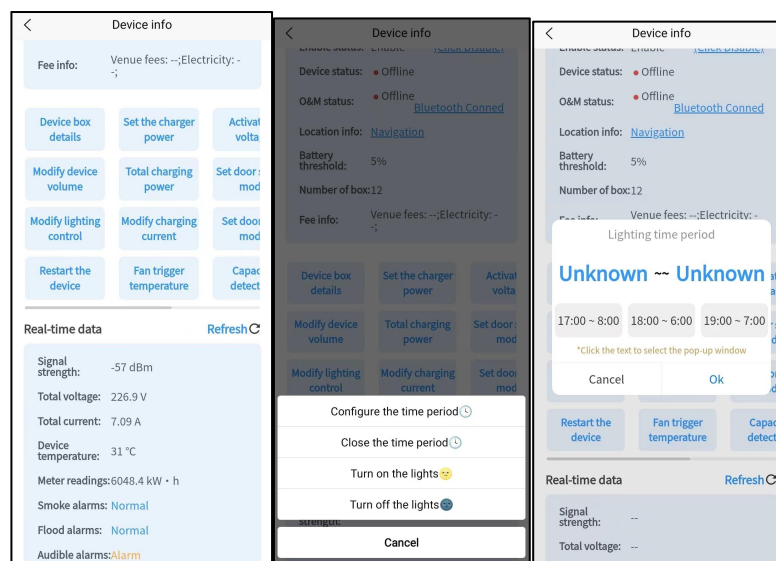
点击后，可选择手动输入设备音量（0-100），也可选择静音/50%/80%/100%。



c. Modify Lighting Control 【照明灯控制】

After clicking, you can manually set the lighting on time by configuring the time period or choose to close the time period/turn on the lights manually/turn off the lights manually.

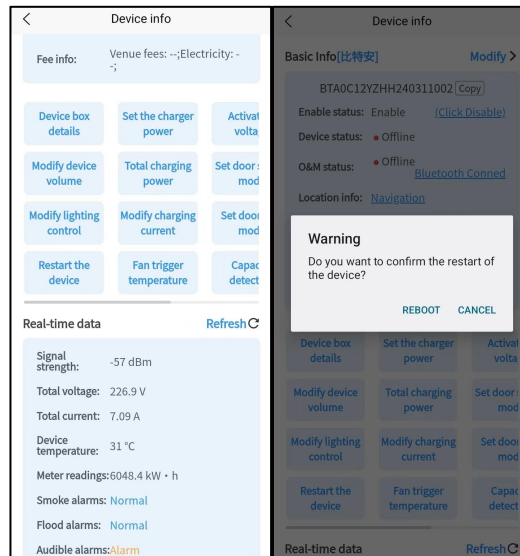
点击后，可选择配置时间段手动设置照明灯开启时间，也可关闭时间段/手动开灯/手动关灯。



d. Restart The Device 【重启换电柜】

After clicking, the battery swap cabinet control system will restart.

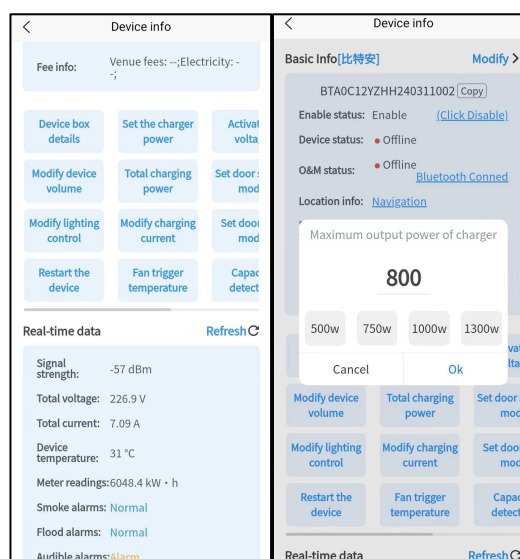
点击后，换电柜柜控系统将重启。



e. Set The Charger Power 【充电器功率】

After clicking, you can manually enter the maximum output power value of the charger (the effective value is limited by the charger specifications), or choose 500W/750W/1000W/1300W.

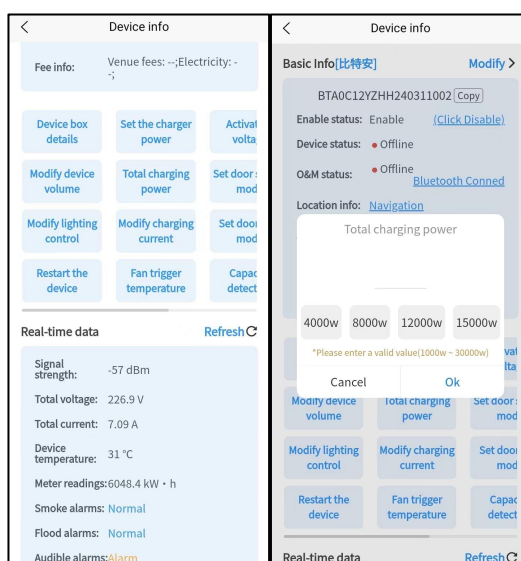
点击后，可手动输入充电器最大输出功率数值（有效值受充电器规格限制），也可选择为 500W/750W/1000W/1300W。



f. Total Charging Power 【充电总功率】

After clicking, you can manually enter the total charging power value (the effective value ranges from 1000W to 30000W), or choose 4000W/8000W/12000W/15000W.

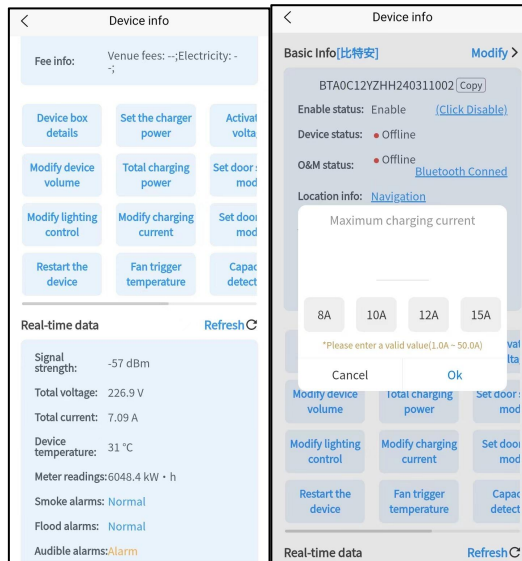
点击后，可手动输入充电总功率数值（有效值为 1000W-30000W），也可选择为 4000W/8000W/12000W/15000W。



g. Modify Charging Current 【修改充电电流】

After clicking, you can manually enter the maximum charging current (the effective value is limited by the charger specifications), or choose 8A/10A/12A/15A.

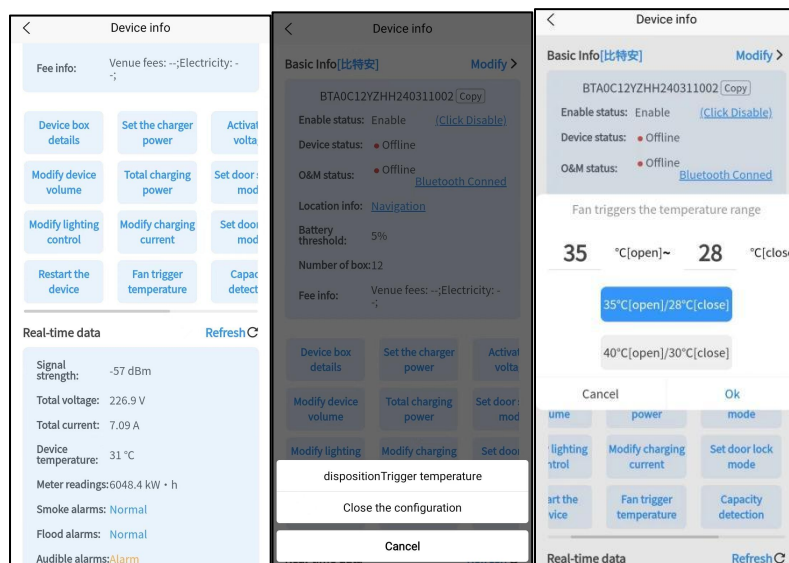
点击后，可手动输入最大充电电流（有效值受充电器规格限制），也可选择为 8A/10A/12A/15A。



h. Fan Trigger Temperature 【风扇触发温度】

After clicking, you can choose to configure the trigger temperature/close the configuration, manually enter the value to configure the fan trigger temperature range, or choose the temperature range button below (the default fan trigger temperature is 35°C to turn on and 28°C to turn off).

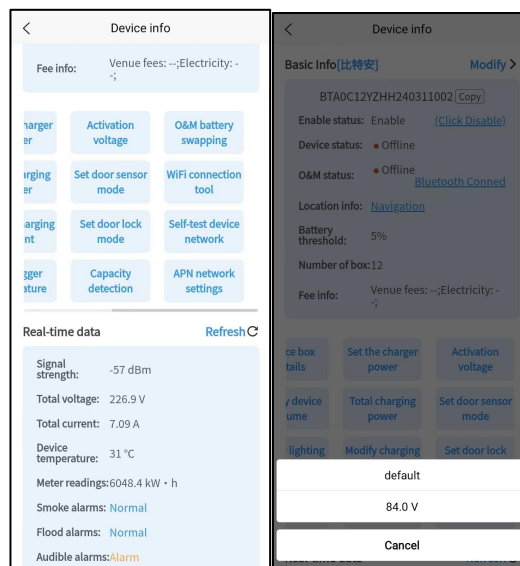
点击后，可选择配置触发温度/关闭配置，手动输入数值配置风扇触发温度区间，也可选择下方温度区间按钮（风扇默认触发温度为 35°C 开启，28°C 关闭）。



i. Activation Voltage 【修改激活电压】

After clicking, you can choose Default/84.0V. The default activation voltage of 71.0V can activate 48V and 60V batteries, while 84.0V can activate 72V batteries.

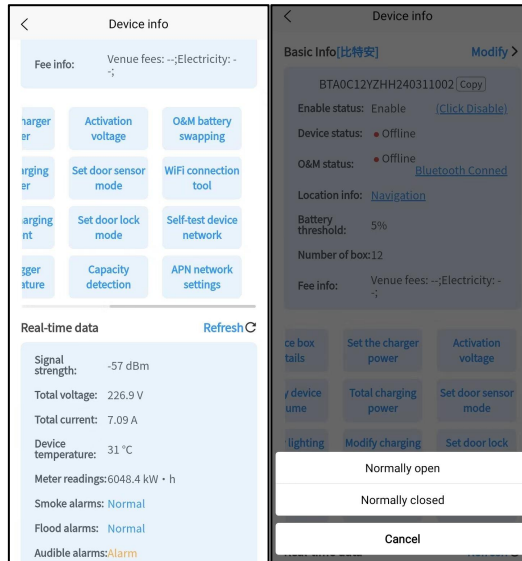
点击后，可选择默认/84.0V，默认激活电压 71.0V 可激活 48V、60V 电池，84.0V 可激活 72V 电池。



j. Set Door Sensor Mode 【设置门磁模式】

After clicking, you can choose Normally Open/Normally Closed. This setting needs to consider the door magnet of the actual equipment in use.

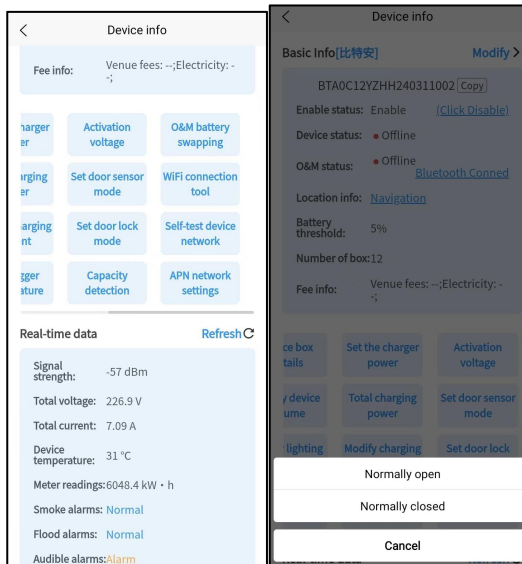
点击后，可选择常开/常闭，此设置需考虑实际使用的设备门磁。



k. Set Door Lock Mode 【设置门锁模式】

After clicking, you can choose Normally Open/Normally Closed. This setting needs to consider the door lock of the actual battery compartment in use.

点击后，可选择常开/常闭，此设置需考虑实际使用的电池仓门锁。

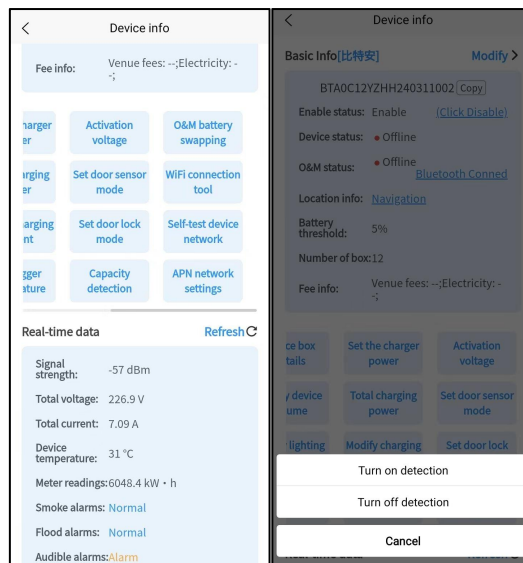


l. Capacity Detection 【电池容量检测】

After clicking, you can choose to turn on/off the detection. When the

detection is turned on, batteries with the same voltage but different capacities cannot be interchanged. When the detection is turned off, batteries with the same voltage but different

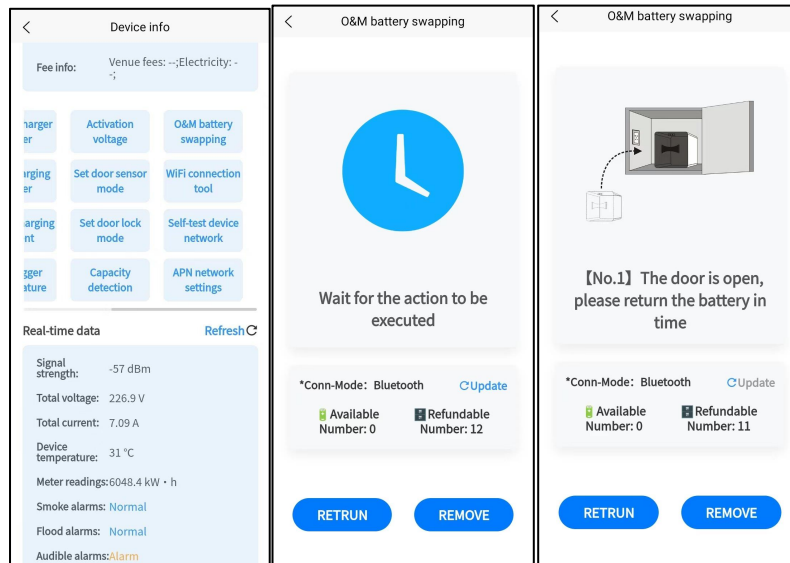
点击后，可选择开启检测/关闭检测。开启检测后，相同电压的不同容量电池不可互换；关闭检测后，相同电压的不同容量电池可互换。



m.Operation and Maintenance of Battery Swapping 【运维换电】

After clicking, it will enter the operation and maintenance of battery swapping interface, where you can choose to return the battery/remove the battery. Click "Return Battery", the empty box door will open, and the operator can put the battery to be returned; click "Remove Battery", the battery box door will open, and the operator can take away the battery.

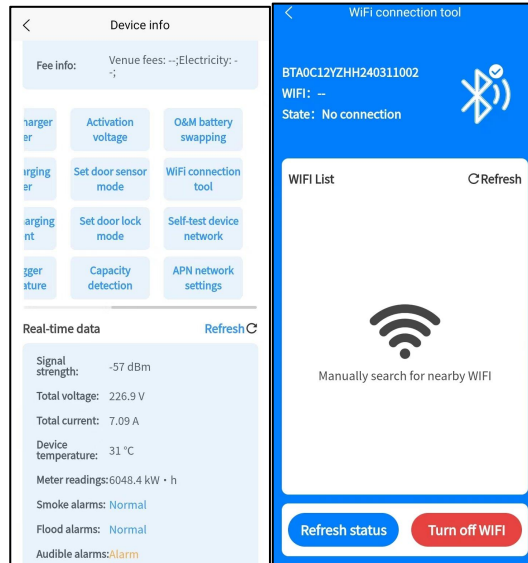
点击后进入运维换电界面，可选择还电池/取电池。点击还电池，空仓仓门打开，运维放入需归还电池；点击取电池，电池仓仓门打开，运维取走电池。



n.WiFi Connection Tool 【WiFi 连接助手】

After clicking, it will enter the WiFi connection interface. Click to turn on the cabinet WiFi, and the WiFi list will display available WiFi. Select the WiFi and enter the corresponding password, and the cabinet will successfully connect to the WiFi and be in an online state, with real-time data uploading to the platform. Click "Refresh WiFi Connection" to update the WiFi speed.

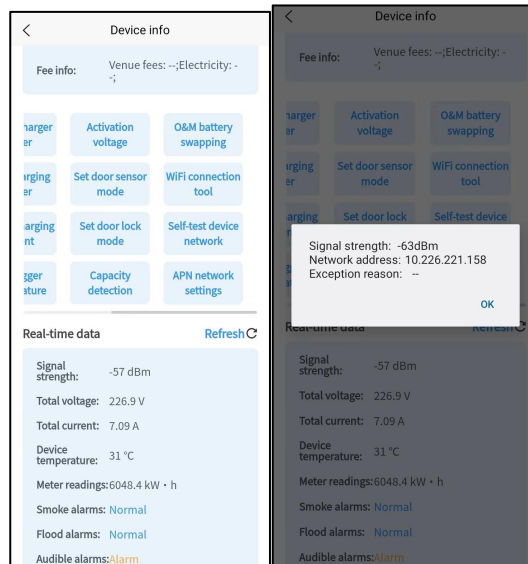
点击后进入 WiFi 连接界面，点击开启柜子 WiFi，WiFi 列表显示可用 WiFi，选择 WiFi 输入相应密码后，柜子连接 WiFi 成功，处于在线状态，数据实时上传平台；点击刷新柜子 WiFi 连接，可更新 WiFi 网速。



o. Self-test Device Network 【自检设备网络】

After clicking, you can view the network signal strength, network address, and abnormal reasons of the device.

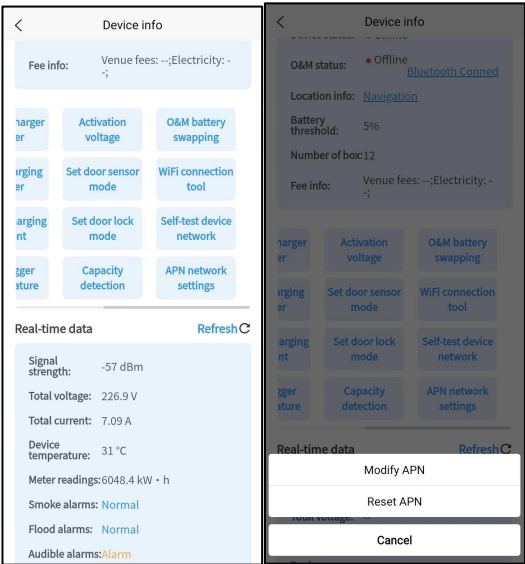
点击后，可查看该设备网络型号强度、网络地址、异常原因。



p. APN Network Settings 【APN 设置】

After clicking, you can modify/reset the APN.

点击后，可修改 APN/重置 APN。



3. Real-time Data（实时数据）

It displays various real-time data of the entire device. Click "Refresh" to update the data.

显示整个设备各类实时数据，点击刷新将更新数据。

