



iErgon

Where Energy Finds its Home

APP User Manual

V1.0.1

Revision records

Version	Content	APP Version	Editor	Date
V1.0.0	Add	V1.0.10	Bin	2023.7.12
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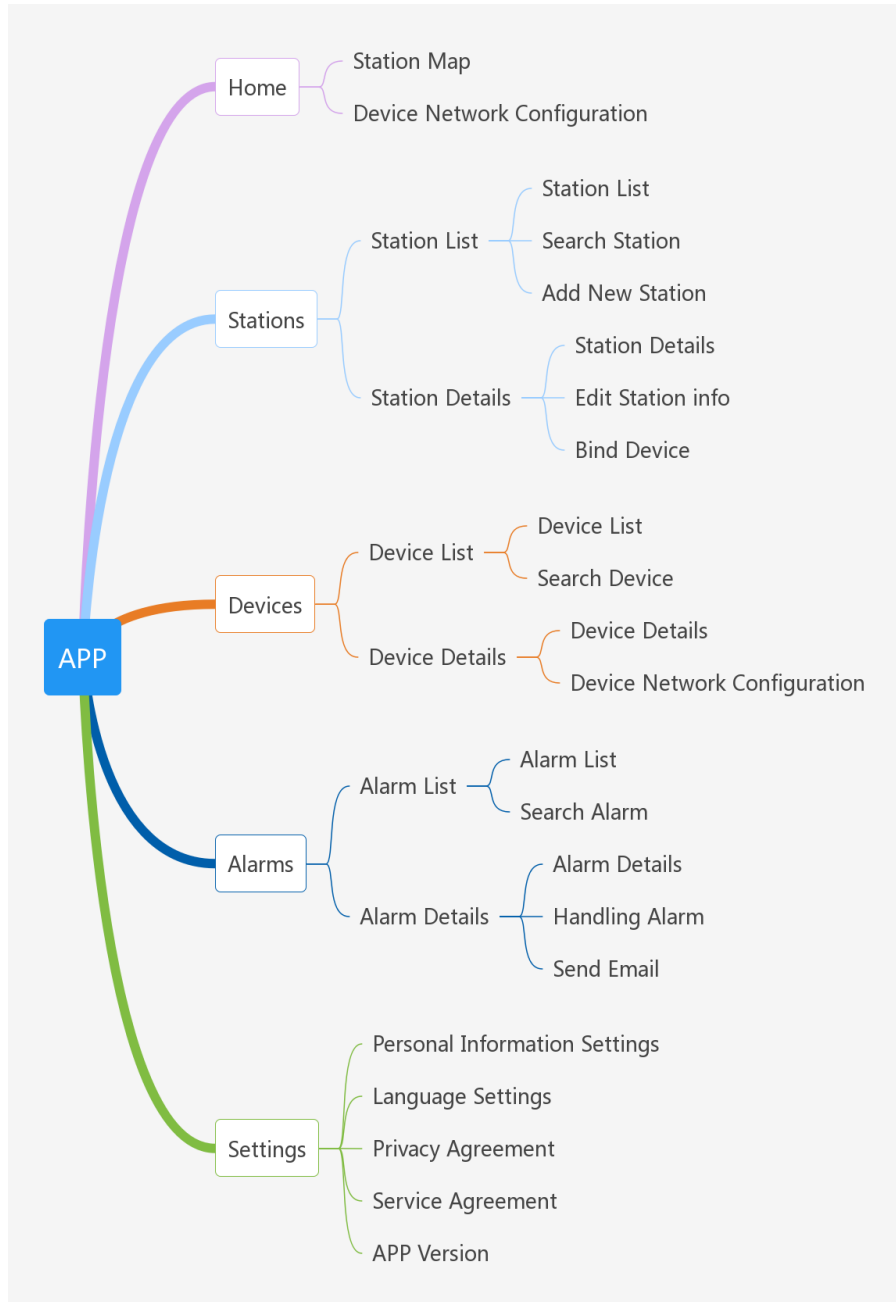
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1.APP Introduction

IErgon APP (hereinafter referred to as APP) is an application APP of an energy storage system based on advanced IoT architecture, mainly used for the management and data display of energy storage devices.

2.Function list



3.APP Install

3.1. Android Version

Please download the APP from Google Play, search the name “iErgon”.

Remark: Some areas may not be available. Please contact manufacturer or your agent.

3.2. IOS Version

Please search the APP “iErgon” from Apple store, then install it.

4.Account Type

Account types include: [manufacturers](#), [agents](#), [customers](#), please choose an account type based on your role when you login in.

4.1. Manufacturer

Accounts with a type of [manufacturer](#) can create stations and view information about all stations and devices.

4.2. Agent

Accounts with the type of [agent](#) can create and view stations information and view device information in the stations created by oneself.

4.3. Customer

The [customer](#) is the owner of the devices, can view their own station and device.

5.Device Installation Instruction

When installing a new device in a customer's home, you need to configure the network for the device and bind the device to the customer on the platform.

The following are the preparation and configuration steps:

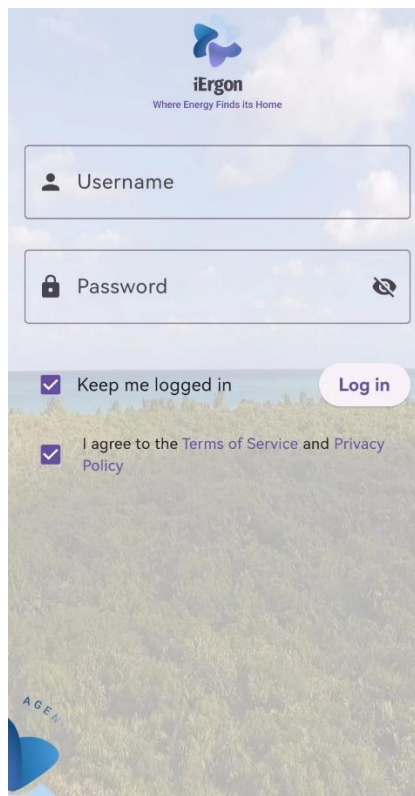
- **Preparation**
 - (1) An Android phone with Android version 10 or above and Internet connection;
 - (2) Available 2.4GHz Wi-Fi (generally, if a router has 5GHz Wi-Fi, it must have 2.4GHz Wi-Fi. If 2.4GHz Wi-Fi is turned off, it needs to be turned on the router);
- **Configuration steps**
 - (1) Custom Installs iErgon APP;
 - (2) The installer should guide the customer to complete the registration ([6.2.Sing up](#)), or contact the platform administrator to add customer account;
 - (3) The installer logs in ([6.1.Log In](#)), and the account type should be

[Manufacturer](#) or [Agent](#);

- (4) The installer create a new station for custom ([6.4.2.Create Station](#));
- (5) The installer opens the new station details page in step(4), and binds devices to the station ([6.4.3.Station Details](#));
- (6) The installer configures the network for the device in the station map page or device details page ([6.3.2.Device Network Configuration](#)).

6.APP Function Introduction

6.1. Log In



The APP supports three types of accounts, Refer to [4. Account type](#).

- **Login steps**

- (1) Open the app and enter the login page;
- (2) Choose the account type to log in;



(3)

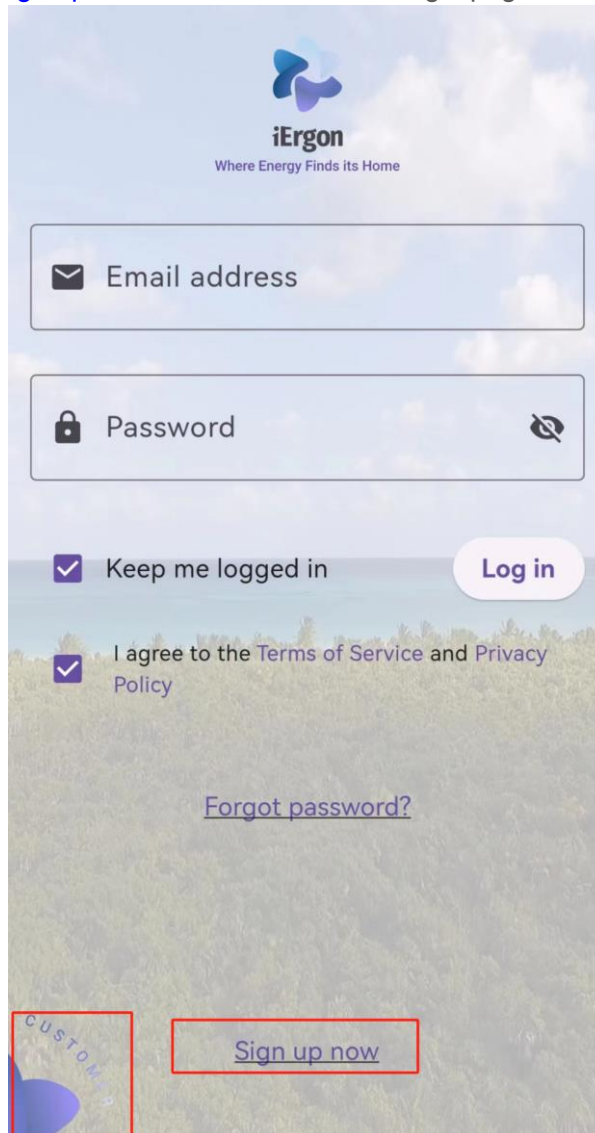
- (4) Enter [Username \(Email\)](#) and [Password](#), and click the [Log in](#) button to log in;

6.2. Sign Up

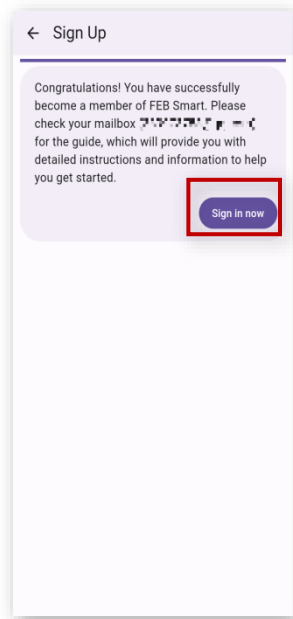
The registration function is provided for end users and is one of the necessary steps for device activation to the platform.

- **The registration steps**

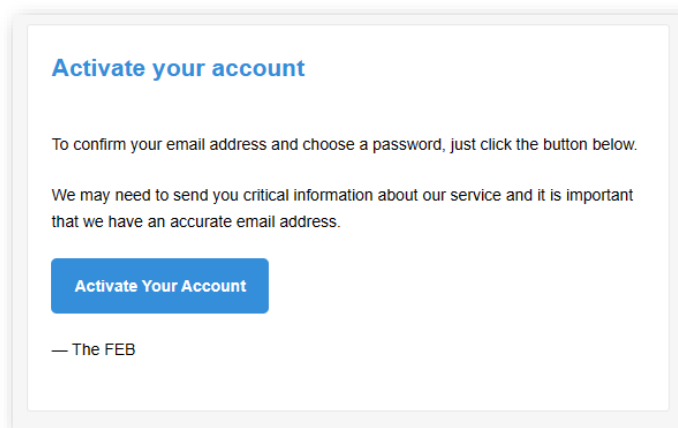
- (1) Choose the account type as: [Customer](#) on the login page;
- (2) Click [Sign up now](#) at the bottom of the login page;

The image shows the iErgon login and registration interface. At the top, the iErgon logo is displayed with the tagline "Where Energy Finds its Home". Below the logo, there are two input fields: "Email address" with an envelope icon and "Password" with a lock icon and a toggle for visibility. A "Log in" button is positioned to the right of the password field. Below these fields, there are two checkboxes: "Keep me logged in" and "I agree to the Terms of Service and Privacy Policy". A link for "Forgot password?" is located below the checkboxes. At the bottom, there is a "Sign up now" button and a "CUSTOMER" selection option, both highlighted with red boxes.

- (3) Enter [name](#), [date of birth](#), [email](#), and [phone number](#) in order;
- (4) Confirm your email on the final confirmation page, and click [Sign in now](#);



- (5) The platform will send a confirmation email to your email within 24 hours, click [Active Your Account](#) in the email to open the password setting page;



- (6) Set your password in the password setting page. If registration is successful, a prompt will be displayed: "[User has been successfully activated!](#)".

6.3. Station Map



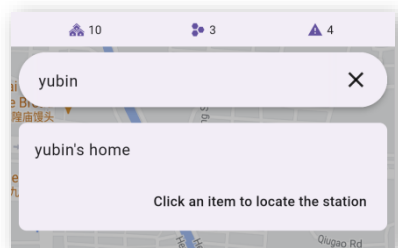
After logging into the app, click on the [Home](#) tab at the bottom of the app to open the station map page;

The station map includes the following functions :

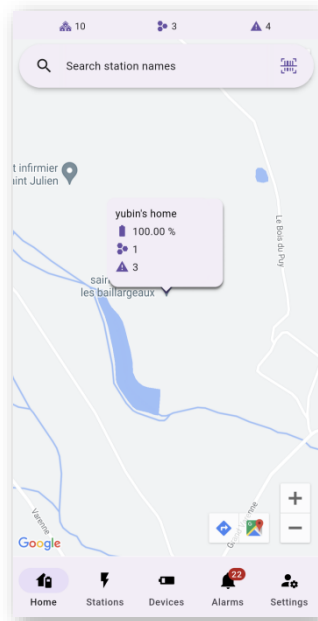
- (1) View the distribution of stations under its jurisdiction, including statistics of stations, devices, and alarms;
- (2) Search for station location and view a summary of the station;
- (3) Device network configuration;

6.3.1. Search Station

- (1) Click on the [search box](#) above the station map, enter all or part of the [station name](#), then click the [search](#) button on the mini keyboard;
- (2) Wait for a while, in the drop-down list, click on the station you want to search for;



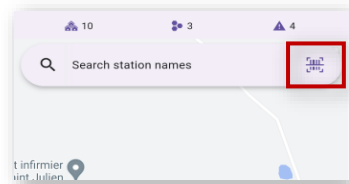
- (3) The map will locate the station, click on the station icon to view the summary, and click again to jump to the details of the station;



6.3.2. Device Network Configuration

Before network configuration, it is necessary to ensure that 2.4GHz Wi-Fi is available nearby (generally, if a router has 5GHz Wi-Fi, it must have 2.4GHz Wi-Fi. If 2.4GHz Wi-Fi is turned off, it needs to be turned on the router);

- (1) Click the [scan](#) button on the right side of the search box to open the scan page;

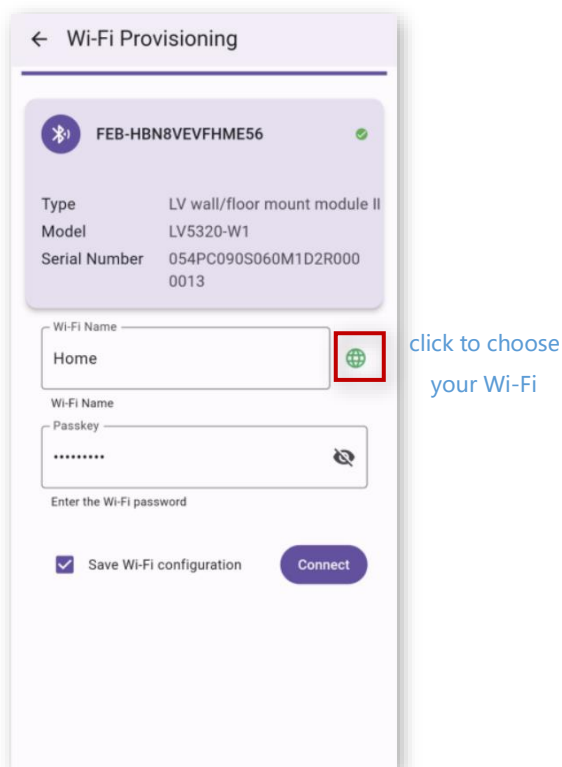


- (2) Power on device;
- (3) Scan the [bar code](#) on the device body and wait for the APP to connect to the device's Bluetooth;

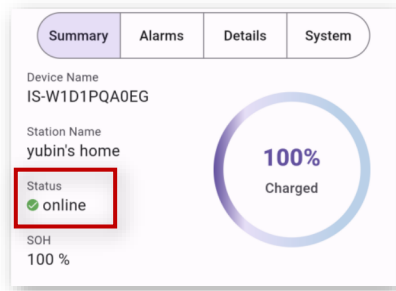
Note: If the device is already configured with a network, it cannot connect to the device's Bluetooth after 1 min of power on;



- (4) After the Bluetooth connection is successful, choose the [Wi-Fi SSID](#) to be connected and enter the [Wi-Fi password](#), then click the [Connect](#) button. If the configuration is successful, it will prompt: [Wi-Fi provisioning successful](#);



- (5) Keep the device powered on, search for the device in the device list, and if the status is displayed as [Online](#), it indicates that the device has successfully connected to the network.

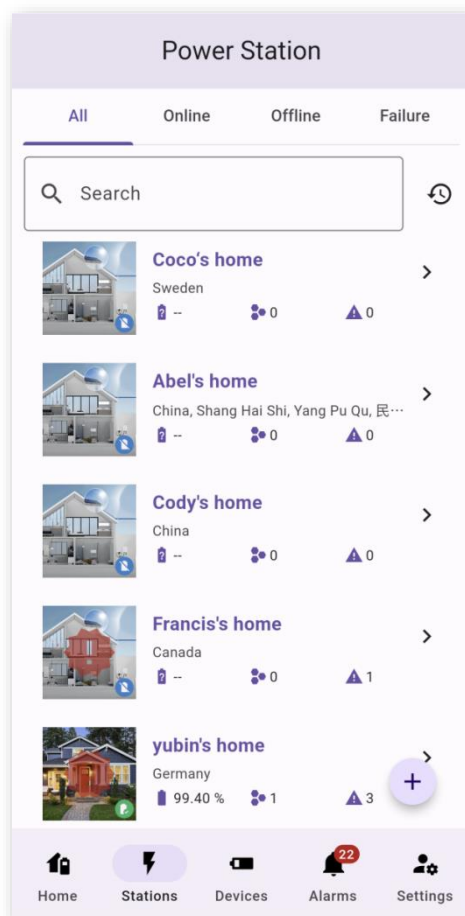


6.4. Station Management

Station management has the following functions (some functions require user permissions):

- (1) View the summary of the managed stations in a list format;
- (2) Search for stations by their name in the list;
- (3) Create station;
- (4) View station details;
- (5) Add devices to station;

6.4.1. Station List



The station list displays all the stations that can be viewed by the current APP account.

- **Open the station list page**

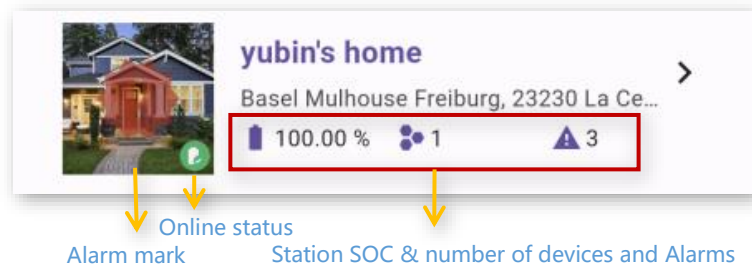
After logging into the app, click on the [Stations](#) tab at the bottom to open the station list page;

- **Station sub list description**

- (1) [ALL](#): all stations list, allow to view all of your stations;
- (2) [Online](#): Online station list, which refers to all devices in the station being online;
- (3) [Offline](#): Offline station list, which refers to all/part devices in the station being offline;
- (4) [Failure](#): Alarm station list, refers to station with device alarms that have not been cleared;

- **List item description**

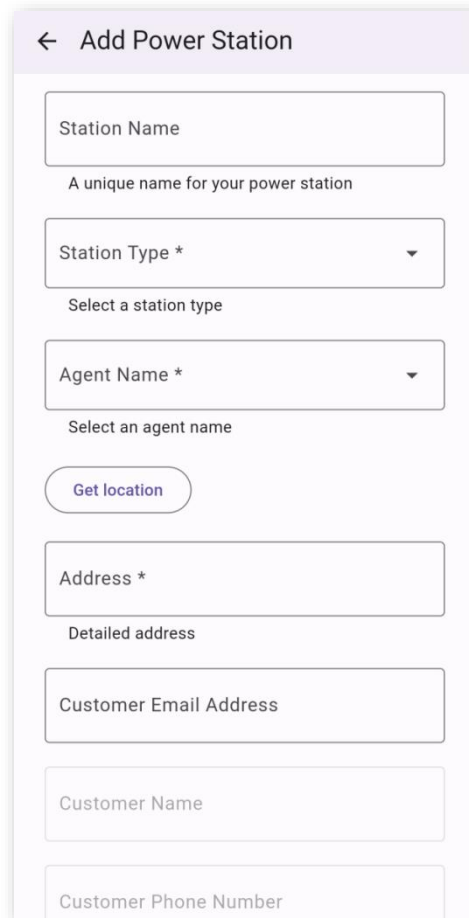
The list item contains a summary of the station, as shown in the following image:



- **Station list function description**

- (1) Search station by station name;
- (2) Click on the item in the station list to open the details of the station;
- (3) Create power station(need permission);

6.4.2. Create Station

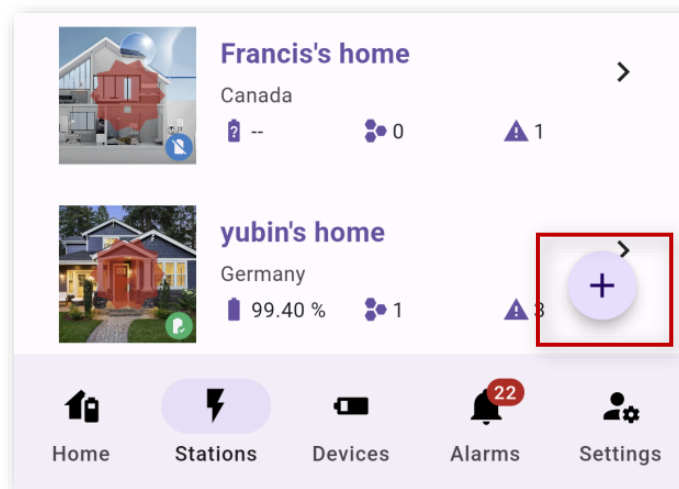


The screenshot shows a mobile app interface for adding a power station. At the top, there is a back arrow and the title 'Add Power Station'. Below this, there are several input fields: 'Station Name' with a placeholder 'A unique name for your power station', 'Station Type *' with a dropdown arrow and a placeholder 'Select a station type', 'Agent Name *' with a dropdown arrow and a placeholder 'Select an agent name', 'Address *' with a placeholder 'Detailed address', 'Customer Email Address', 'Customer Name', and 'Customer Phone Number'. A 'Get location' button is positioned between the 'Agent Name' and 'Address' fields.

The function of create station can only be used by the maintainer or installer. The creation of a station is one of the necessary steps for the device installation. By create a station, the station can be associated with device, agent and user.

- **Create station steps**

- (1) Click the [Create](#) button on the station list page to open the Create Station page.



- (2) On the page of creating power station, enter the [station name](#), select the station [type](#) and [agent](#).

← Add Power Station

Station Name

Jack's home

A unique name for your power station

Station Type *

ESS_Residential

Select a station type

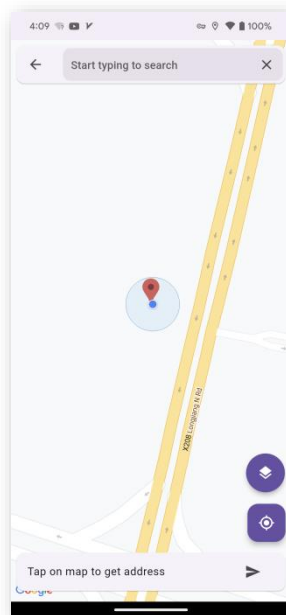
Agent Name *

FEB

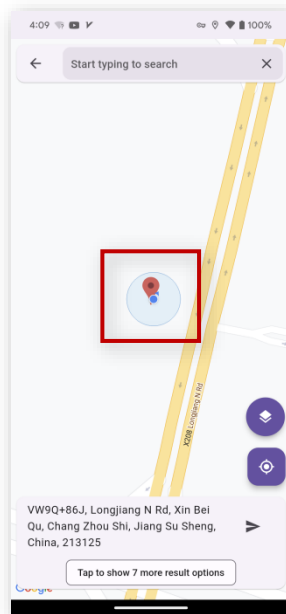
Select an agent name

(3) Add station address:

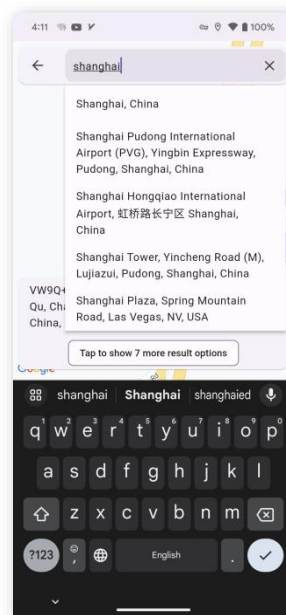
- a. Click the [Get location](#) button to open the map selection page;



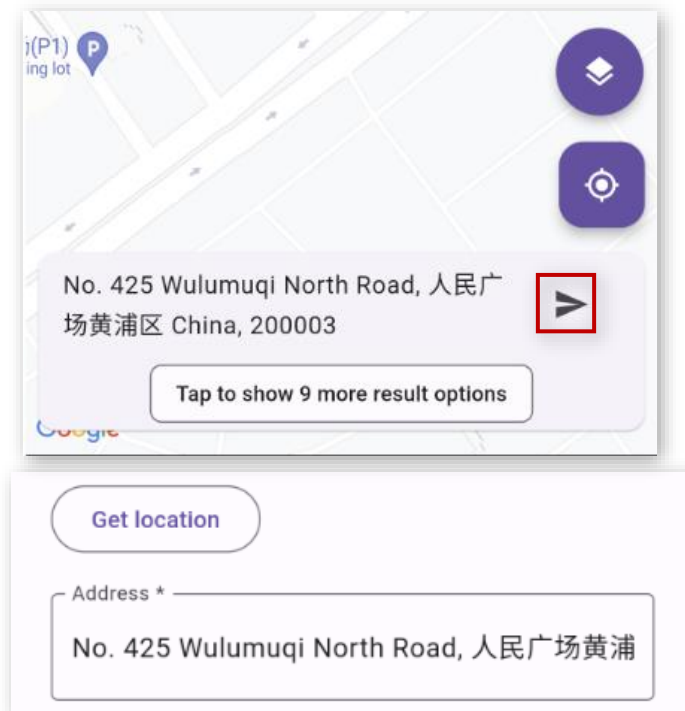
- b. Click the location icon in the center of the map directly if you need to fill in the current address;



- c. Enter the address keyword in the search box if you need to fill in other address;



- d. Select the address in the drop-down box, or click "[Tap to show 7 more result options](#)" to select other search results;
- e. Click the button  to complete the address addition;



i(P1)
ing lot

No. 425 Wulumuqi North Road, 人民广场黄浦区 China, 200003

Tap to show 9 more result options

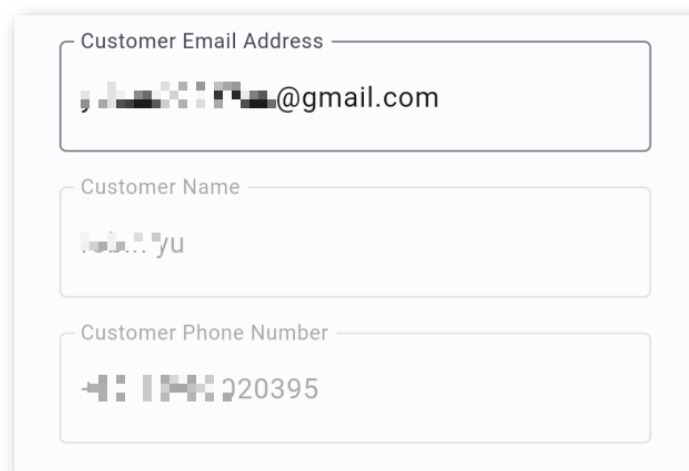
Get location

Address *

No. 425 Wulumuqi North Road, 人民广场黄浦

Note: After the address is added, the address information can be modified manually, but it may be unrecognizable. In this case, the APP will automatically locate the recognizable administrative level in the address.

- (4) (Optional) Enter the user's email, and the name and phone number will be automatically filled in below;



Customer Email Address

Customer Name

Customer Phone Number

- (5) (Optional) Click the picture control to select a picture for the station;

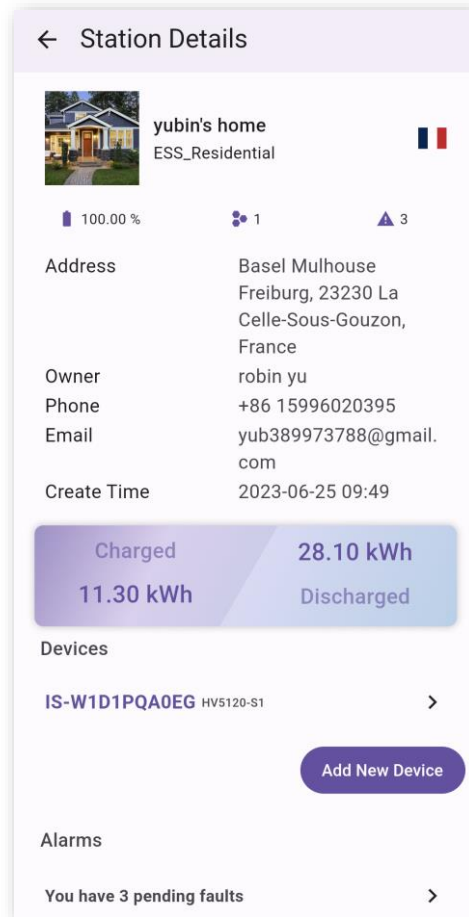


Choose an image for the station

Create

- (6) Click the [Create](#) button to complete the creation of the station;
- (7) The created station can be found in the station list.

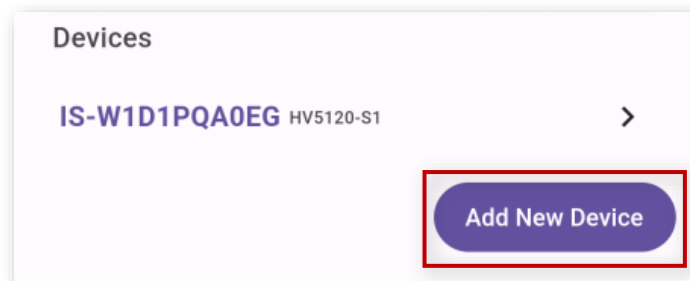
6.4.3. Station Details



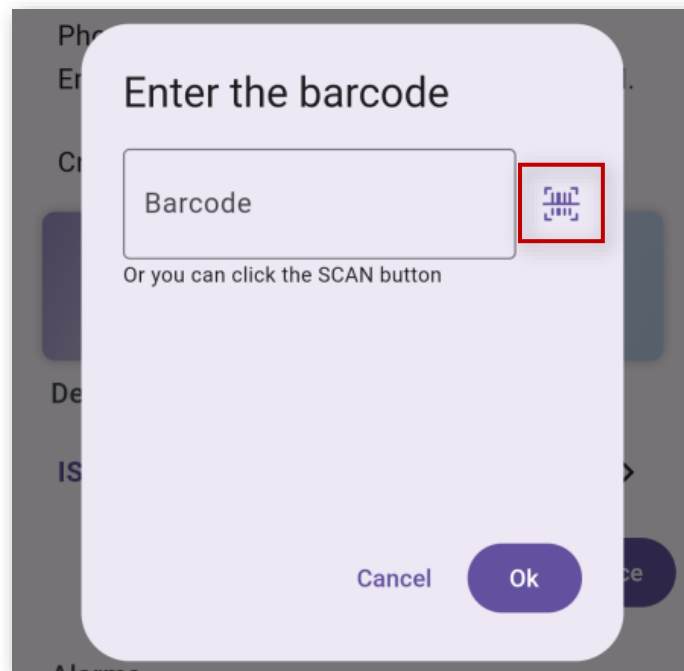
The details page of the station displays all kinds of information of the station, where you can bind the device, view the alarm information and edit the station information.

- **Binding device steps**

- (1) Click the [Add New Device](#) button;



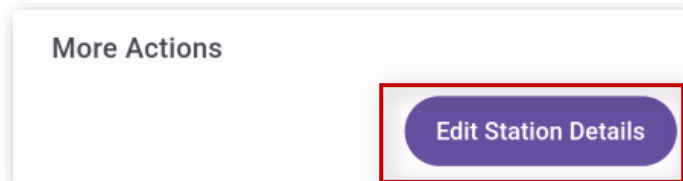
- (2) On the pop-up code scanning dialog box, click the  [scan](#) button;



- (3) Scan the [bar code](#) on the fuselage to complete the serial number entry (it can also be entered manually);
- (4) Click the [OK](#) button to finish adding the device;

- **Modify station information steps**

- (1) Click the [Edit Station Details](#) button;



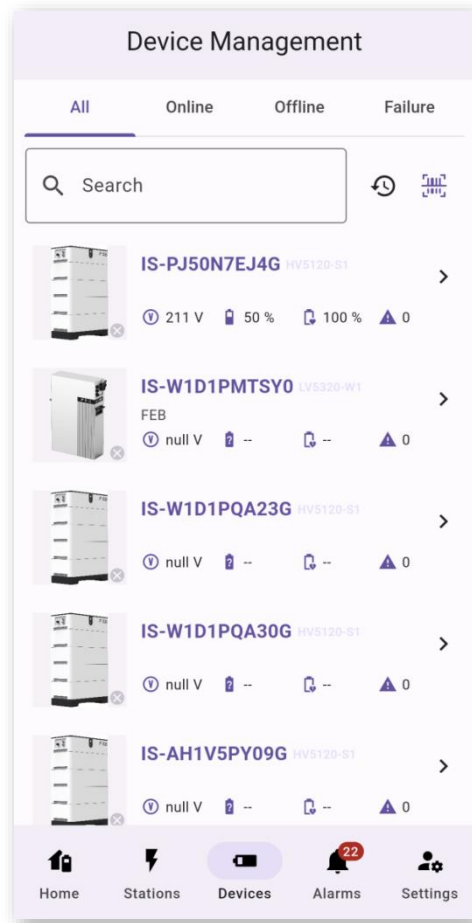
- (2) Modify the information of the station (the same as [6.4.2.Create Station](#));

6.5. Device Management

Device management has the following functions (some functions require user permissions):

- (1) View the summary of the managed devices in a list format;
- (2) Search for devices by their name in the list;
- (3) View the running data of the devices;
- (4) Device network configuration;

6.5.1. Device List



The device list page displays all devices that can be viewed within the permission range of the current APP account.

- **Open the devices list page**

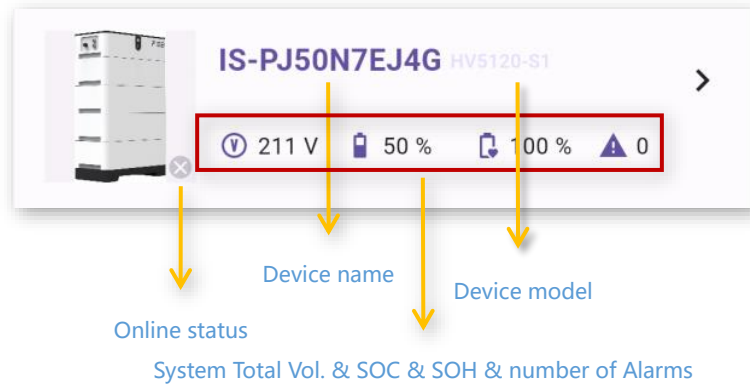
Click the [devices](#) tab at the bottom of the APP to open the device list page.

- **Station sub list description**

- (1) [ALL](#): List of all viewable devices;
- (2) [Online](#): List of devices connected to the platform;
- (3) [Offline](#): List of devices not connected to the platform;
- (4) [Failure](#): List of devices with alarms and not cleared;

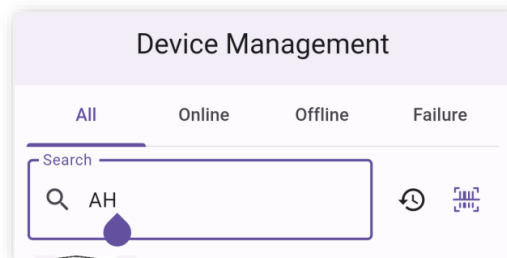
- **List item description**

The list item contains a summary of the device, as shown in the following image:

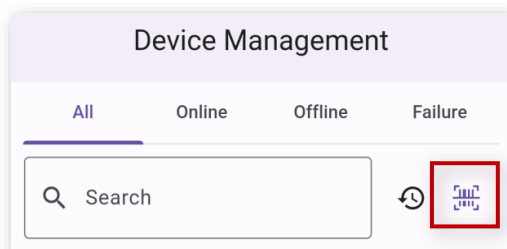


- **Device list function description**

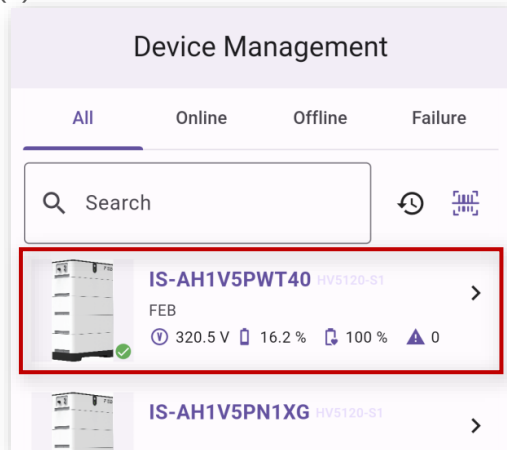
(1) Search device by device name;



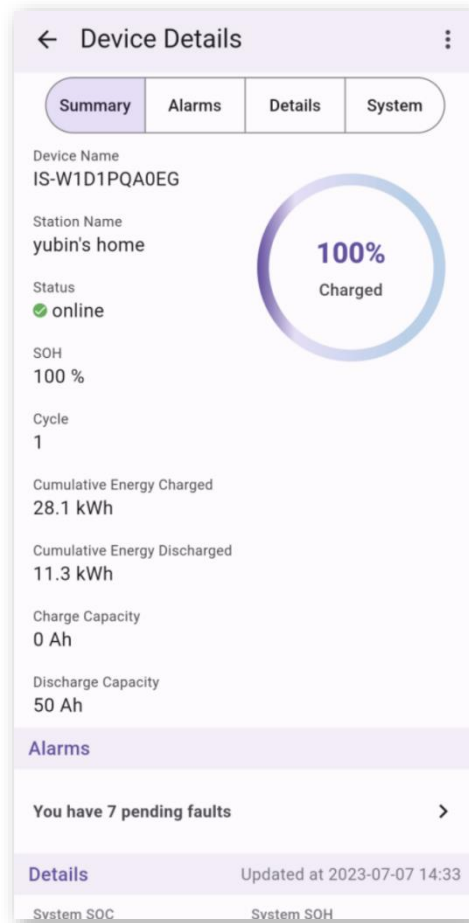
(2) Click the [scan](#) button next to the search bar to scan the bar code of the device body, which can directly open the details page of the device;



(4) Click on the item in the device list to open the details of the device;



6.5.2. Device Details

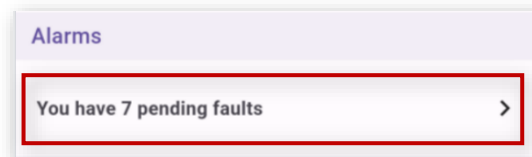


The device details page displays the operation data of the device and has the function of configuring the device network.

- **Page area description**

According to the type of data, the page is divided into four areas:

- (1) [Summary](#), Display the summary data of the device;
- (2) [Alarms](#), Displays the alarm number of the device, and can jump to the alarm list;



- (3) [Details](#), Display the detailed operation data of the device;
- (4) [System](#), Display system data of the device;

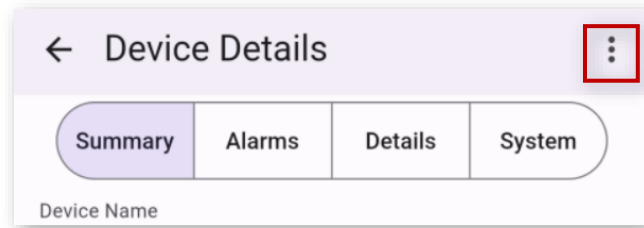
- **Device Network Configuration**

Before network configuration, it is necessary to ensure that 2.4GHz Wi-Fi is available nearby (generally, if a router has 5GHz Wi-Fi, it must have 2.4GHz Wi-Fi. If 2.4GHz Wi-Fi is turned off, it needs to be turned on the router);

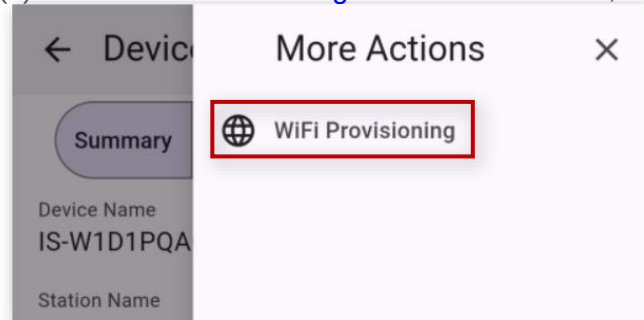
- (1) Confirm whether the device is powered on;

Note: If the device is already configured with a network, it cannot connect to the device's Bluetooth after 1 min of power on;

- (2) Click the [More](#) button to the right of the title;

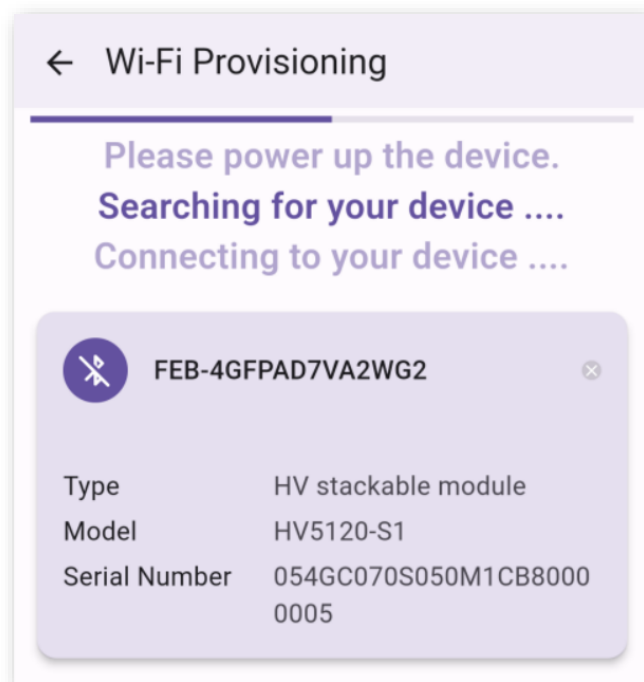


- (3) Click [Wi-Fi Provisioning](#) in the function menu;

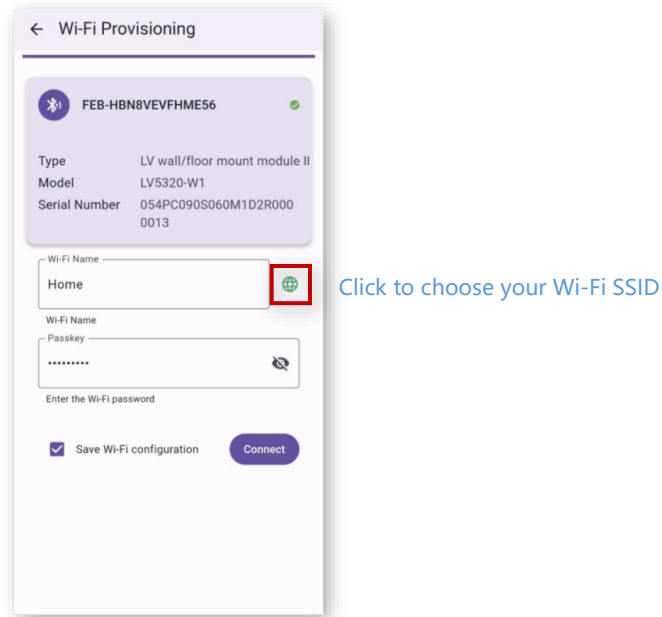


- (4) Wait for the APP to connect to the device's Bluetooth;

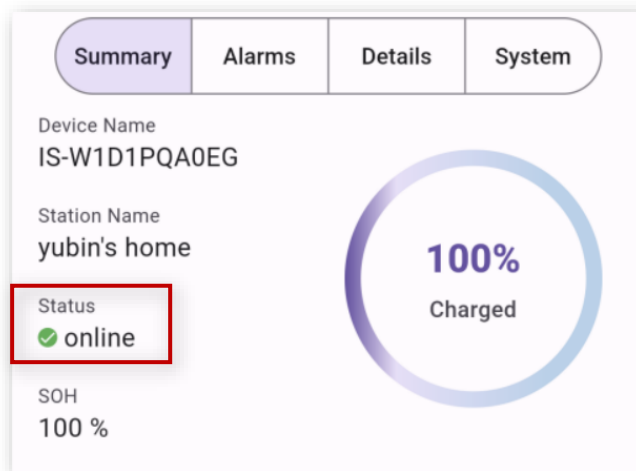
Note: If the connection is unsuccessful for a long time, please restart the device and try to connect again within 1 minute.



- (5) After the Bluetooth connection is successful, choose the [Wi-Fi SSID](#) to be connected and enter the [Wi-Fi password](#), then click the [Connect](#) button. If the configuration is successful, it will prompt: [Wi-Fi provisioning successful.](#);



- (6) Keep the device powered on, if the status is displayed as **Online**, it indicates that the device has successfully connected to the network.



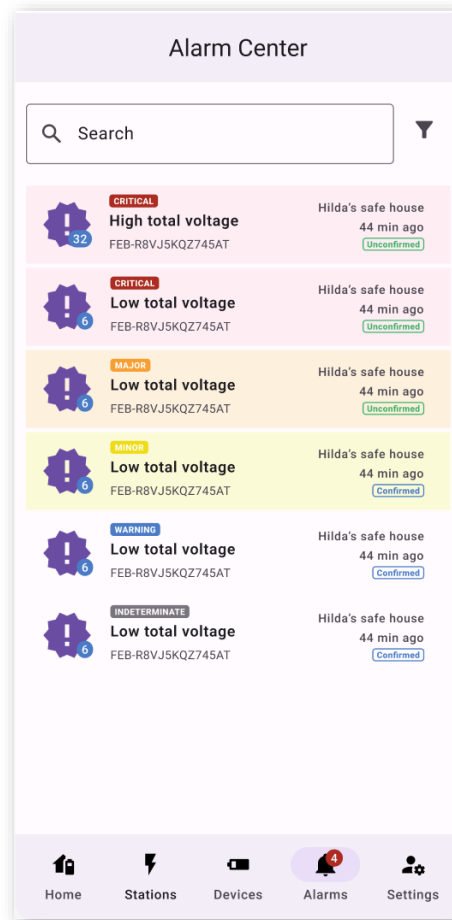
6.6. Alarm Management

Alarm management has the following functions (some functions require user permissions):

- (1) View the summary of the alarm in a list format;
- (2) View Alarm details;
- (3) Confirm and handle alarms;
- (4) View historical alarms;

Note: APP only gets alarms that need manual confirmation.

6.6.1. Alarm List



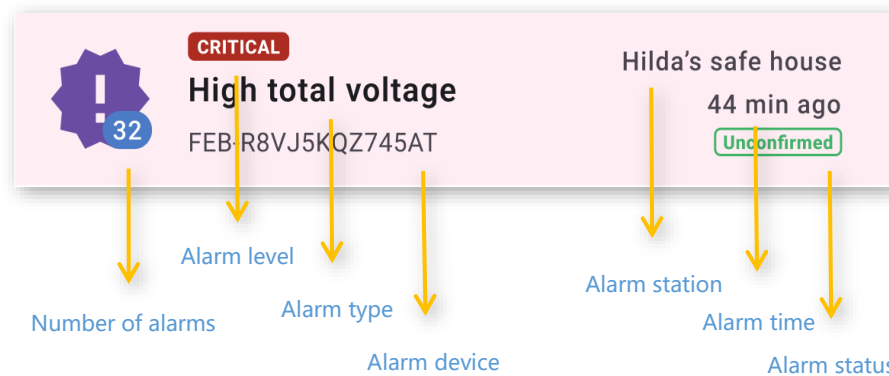
The alarm list page displays all the alarm information that can be viewed within the authority of the current APP account, including those that have not been cleared manually and those that have been cleared historically.

- **Open the alarm list**

Click the [alarms](#) tab at the bottom of the APP to open the alarms list page.

- **List item description**

The list item contains a summary of the alarm, as shown in the following image:



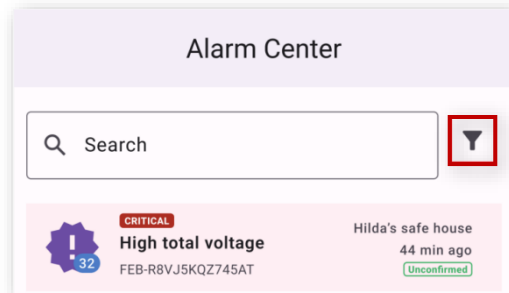
- **Alarm processing status description**

The alarm processing status includes [Unconfirmed](#), [Confirmed](#) and [Cleared](#), which are used to indicate the alarm processing progress.

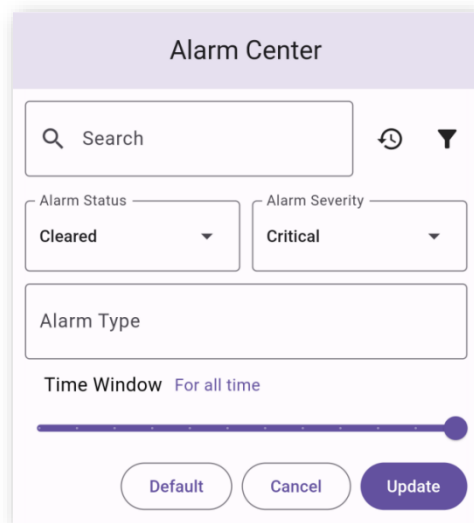
- **List filtering function description**

The alarm list can be filtered and searched by multiple keywords, and the operation steps are as follows:

- (1) Click the [filter](#) button to open the filter function;

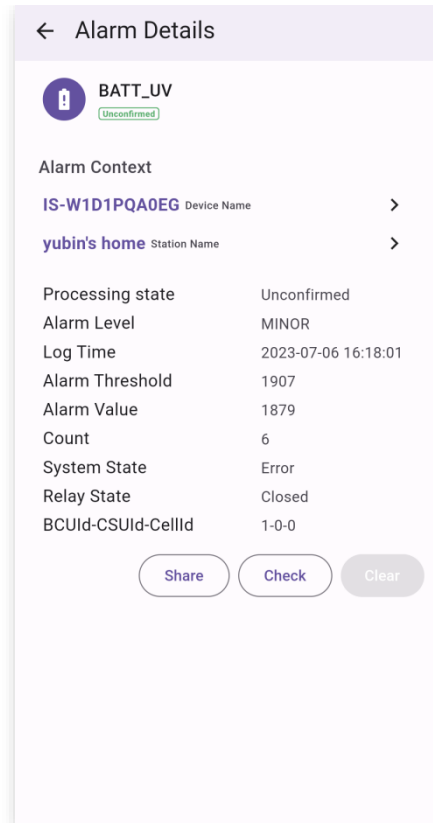


- (2) Select the required filter item, and click the [Update](#) button to display the filtered data in the list;



- (3) Click [Default](#) to reset the filter;

6.6.2. Alarm Details



The alarm details page displays the detailed data of the alarm, including the station and device associated with the alarm. Users with operating authority can confirm and clear the alarm, and can also send alarm information to email.

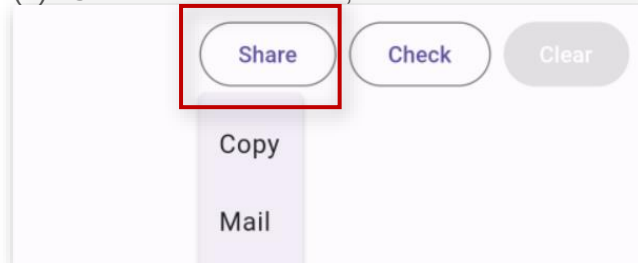
- **Alarm processing steps**

- (1) Confirm alarm: The maintainer can click the **Check** button to mark the alarm as **Confirmed**;
- (2) Clear alarm: The maintainer can click the **Clear** button to mark the alarm as **Cleared**;

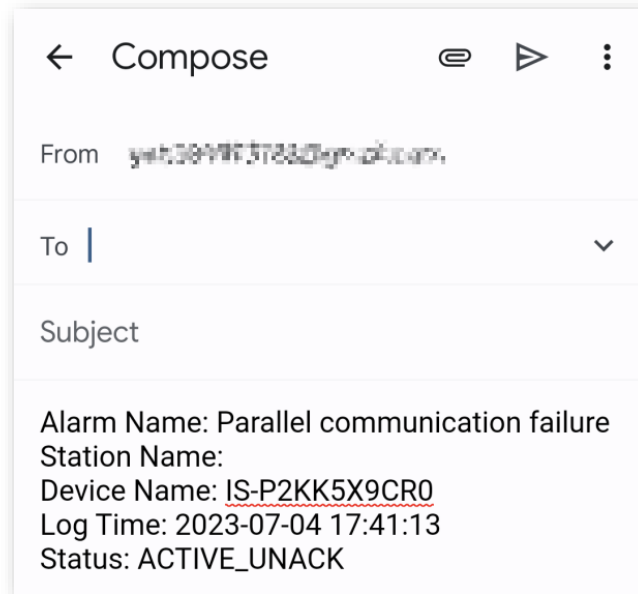
Note: before **Cleaning**, you need to **Check**, otherwise the **Clear** button cannot be clicked.

- **Mail sending steps**

- (1) Click the **Share** button;

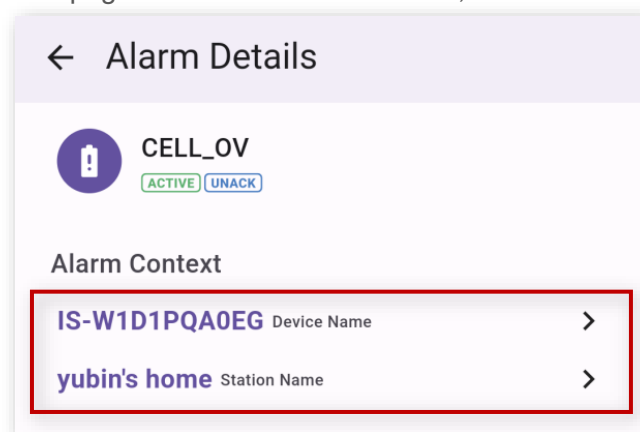


- (2) Click the **Mail** button to open the email interface, The main information of the alarm will be automatically pasted into the email;

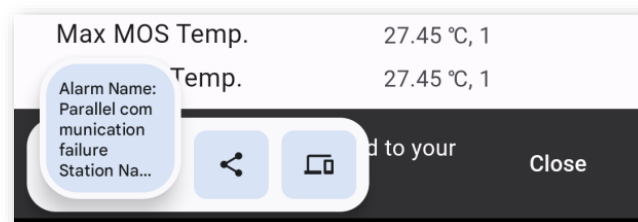


- **Other functions**

- (1) The alarm details page can jump to the station and device details page where the alarm occurred;



- (2) Click the [Share](#) button and click the [Copy](#) button in the drop-down box to copy the basic alarm information to the clipboard of your phone;



6.7. Settings

Click the [Settings](#) tab at the bottom of the APP to open the Settings page. The settings page includes personal information and password settings, language switching, night mode and other functions, and you can view information such as APP protocol and software version.

My Settings

My Profile

All about the account argo security



Language

The language of the interface text



Privacy Policy

How to collect your data



Operation Logs

View action logs



Dark color mode

Adjust the color scheme to reduce screen brightness



Software version

1.0.29

Logout



Home



Stations



Devices



Alarms



Settings