

Guide for Connecting Your Device to Wi-Fi and Pylontech Home App Usage

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NOTE:

Please read this manual carefully before installation to ensure that you can install and use your device correctly.

Step 1: Install the Wi-Fi Stick

Taking a standard Pelio product as an example, install the Wi-Fi stick as follows:




1. Insert the stick with the front side (with label) facing outwards into the corresponding Wi-Fi USB port on your device;
2. Gently rotate the nut on top of the Wi-Fi Stick **clockwise** until the clip fits into the slot, then rotate the nut half a turn to lock the Wi-Fi Stick in place.



NOTE: The white button on the front of the Wi-Fi Stick is used to trigger some functions of the Stick.

- Short press (about 1 second): Enter the network configuration mode with NET light flashing rapidly.
- Long press (2 ~ 6 seconds): Reset, the Wi-Fi stick restores factory settings; STAT light is on; COM: Rapidly flashing and light solid alternatively
- NET light Solid, STAT light flashing and COM light intermittently flashing indicate that the collector is working normally.

Please refer to the following table for the status and corresponding contents of the Wi-Fi Stick indicator lights.

Indicator	Function	Status
	Indicates the communicating status of the Wi-Fi stick and the battery.	<ul style="list-style-type: none"> Off: The Wi-Fi stick is not communicating with the battery. Solid Light: The communication between the Wi-Fi stick and the battery has been successfully established. Rapid flashing: The Wi-Fi stick is communicating with the battery.
	Indicates the network communication status of the Wi-Fi stick.	<ul style="list-style-type: none"> Off: The Wi-Fi stick network connection is not available now. Solid Light: Stick network connection is normal. Rapid flashing: The stick is in network configuration mode.
	Indicates the working status of the Wi-Fi stick.	<ul style="list-style-type: none"> Off: The Wi-Fi stick is out of work. Flashing: The Wi-Fi stick is running normally.

Step 2: Wi-Fi Stick Network Configuration

NOTE: Make sure the battery system is **Powered On** when you connect it to Wi-Fi.

- Download the Pylontech Home App on your mobile device, choose either of the following two methods:
 - Search for "Pylontech Home" App in Android, Hongmeng or iOS App Store and download it.
 - Scan the QR code below to download.



Android/Hongmeng QR Code



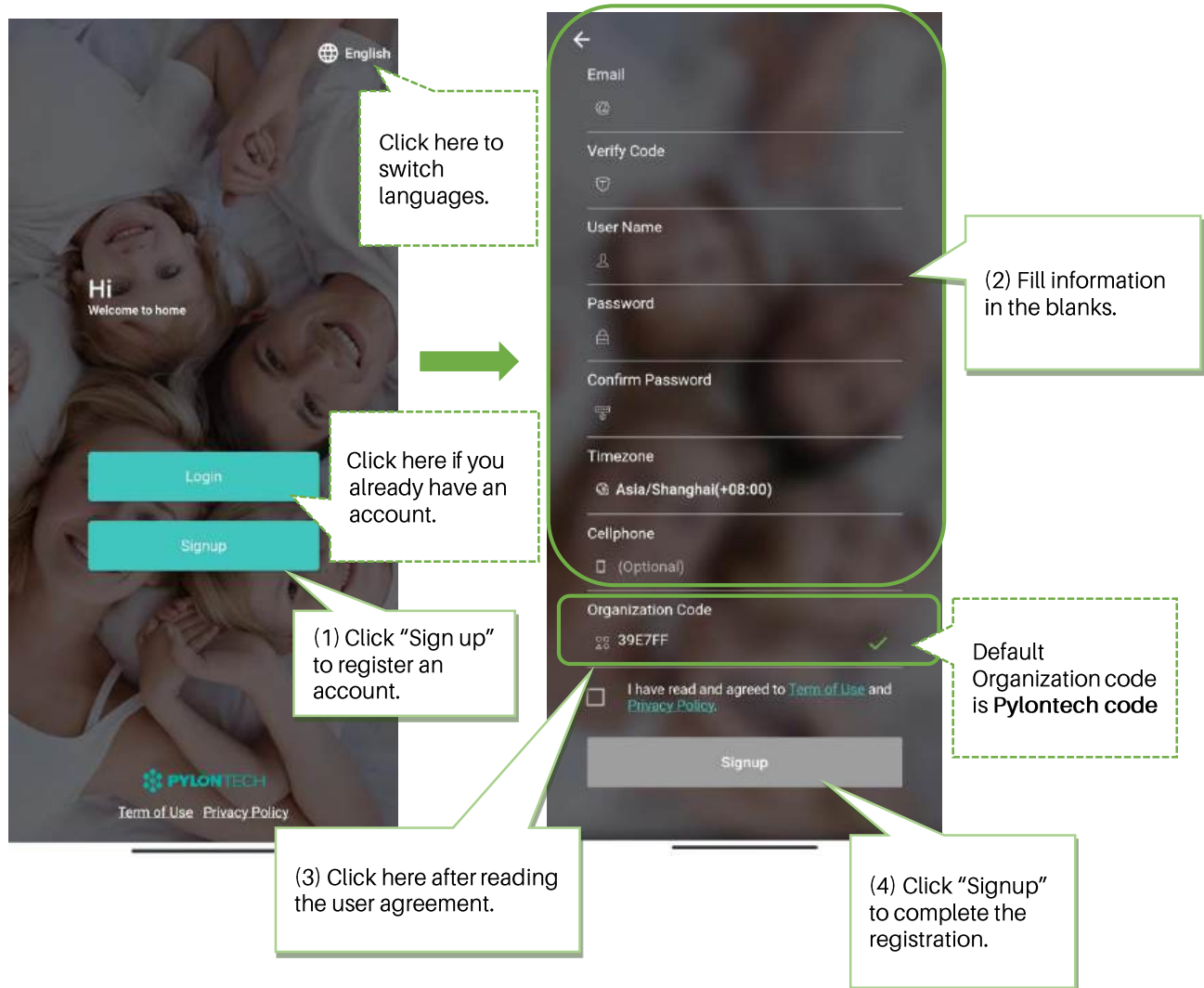
iOS QR Code

- Open Pylontech Home App, register and login.
 - The new user can follow the steps (1)(2)(3)(4) below to complete account registration.
 - If you already have an account, you can enter your account number and password to log in.

* The "Organization Code" is **Pylontech code** by default. If the supplier provides you with another organization code, please fill in this new code when you register your account.

The organization code is used to binding with the corresponding organization to obtain the after-sales service provided by them.

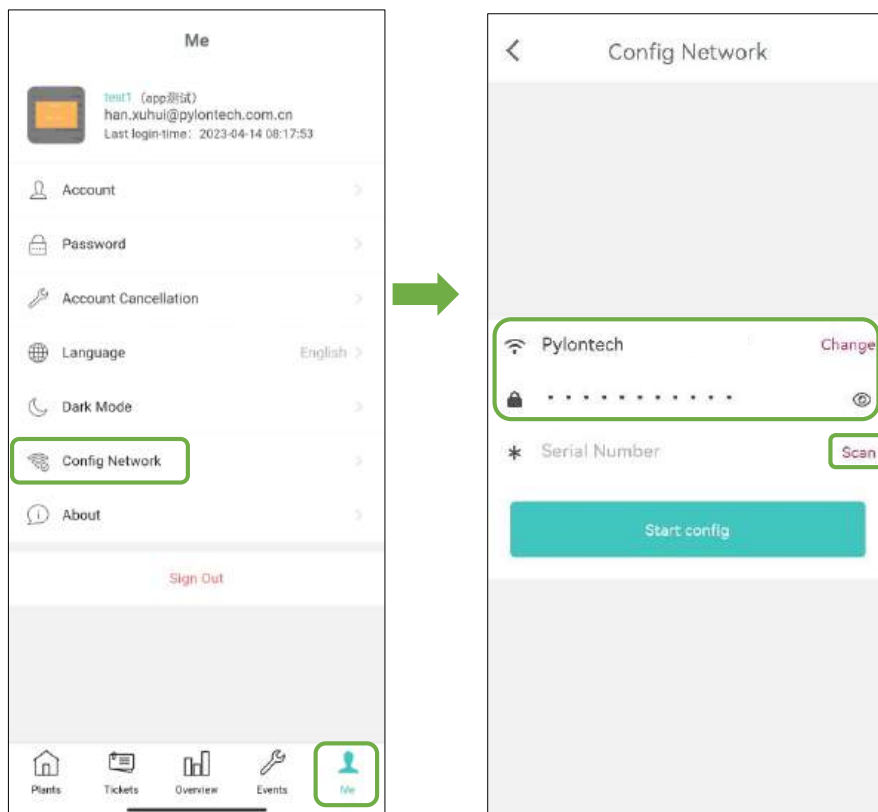
NOTE: Please make sure that the organization code is in correct format. If you have any questions about this, please contact your local supplier for confirmation.



3. Wi-Fi Stick Network Configuration

NOTE: The Wi-Fi stick only supports 2.4GHz Wi-Fi wireless network, and 5GHz network cannot be connected.

- (1) Turn on Bluetooth, Wi-Fi, and location services (GPS) on your mobile device.
- (2) Log on to Pylontech Home App to enter "Me" page, and select "Config Network".
Then the window automatically pops up "Network Configuration Instructions".
Reading the instructions can guide you to configure the network.
- (3) Select the Wi-Fi network you want to configure (taking an example of Pylontech) and enter the corresponding network password.



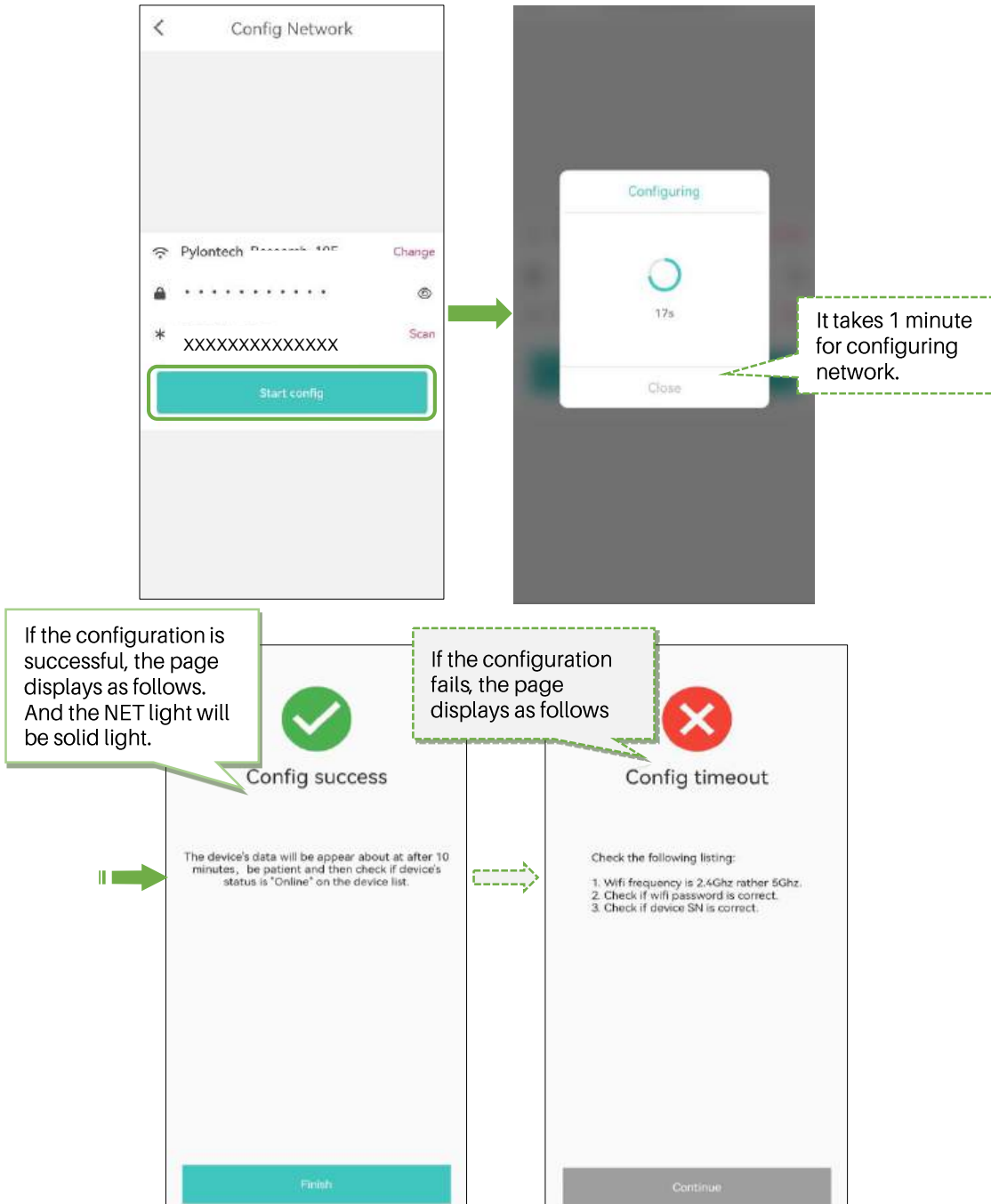
(4) Enter the SN number of the Wi-Fi stick:

- Method 1: Click "Scan" to scan the QR code on the front of the Wi-Fi stick;
- Method 2: Manually enter the SN number labeled on the Wi-Fi stick.



(5) Press the white button on the front of the Wi-Fi stick (for 1 second) and the NET light will flash rapidly.

(6) Click "Start config", and it takes no more than 1 minute for configuring.



Tip: After clicking "Start Config", if you confirm that the device has left the configuration mode (see **Step 1** to confirm the flashing status of the Wi-Fi stick), you can click "Close", and then click "Start Config" again after executing step (2) above.

NOTE:

If the configuration fails, please check the following reasons and follow the above steps to reconfigure the network.

- Ensure that the WLAN is ON;
- Ensure that the Wi-Fi is normal;
- Check that the Wi-Fi network password is entered correctly;
- Ensure that the Wi-Fi router does not belong to the blacklist;
- Ensure that the battery capacity is normal and can continuously power the Wi-Fi module.

- Remove special characters from the Wi-Fi network name;
- Shorten the distance between the phone and the device, and the device and the router;
- Try to connect to other Wi-Fi networks.

NOTE:

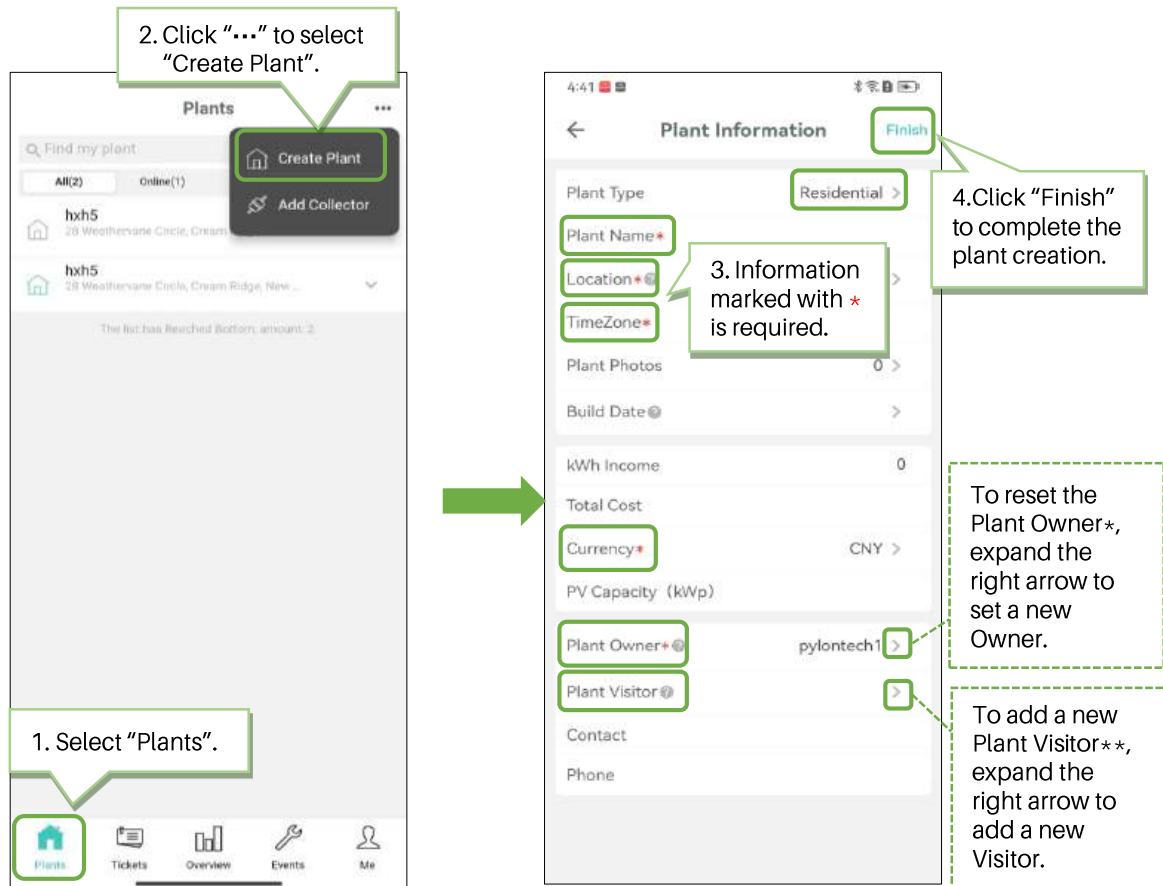
If you need to reset the Wi-Fi stick, long press (2~6 seconds) the white button. After releasing the button, all the lights on the Wi-Fi stick will be on and then be off. And then the lights will display as follows:

- NET: Off
- START: Slowly flashing
- COM: Rapidly flashing and light solid alternatively

Step 3: Create plant

1. Select "Plants" to enter the **Plants** page;
 2. Click "... " in the upper right corner, and select "Create Plant";
- Fill in the information of the plant (* is mandatory); **instructions** for filling in the information are as follows:
 - Plant Type: Default is "Residential".
 - Location: you can manually enter the address of your plant.
 - Time Zone: When you enter the address, the time zone will automatically match the corresponding time zone, it is no need to be manually entered.
 - a. Plant Owner: Please note the following regarding the modification of Plant Owner:
Exit the current page→ Enter the "Me" interface→ Click "Account"→ Enter your customized name in the "Nick Name" field→ Click "Confirm and Save" under the current page to complete the modification.
 - b. To reset to a new Plant Owner: Expand the right arrow and enter your new account number.
 - Plant Visitor: Expand the arrow on its right, you can add plant visitor.

3. Click "Finish" in the upper right corner to complete the plant creation.



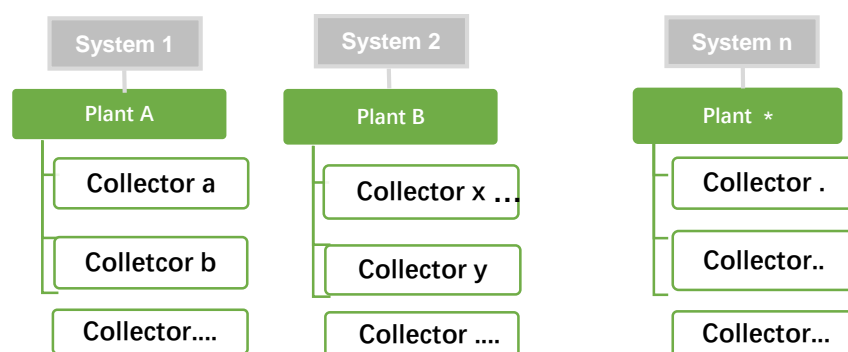
* **Plant Owner** is the **owner of the plant**, which has full access control to the plant, including modifying and deleting the plant, as well as managing all visitors to the plant and setting up new owners.

** **Plant Visitor** is **visitor of the plant**, which has access to view plant information, and add collectors; but has no permission to delete plants.

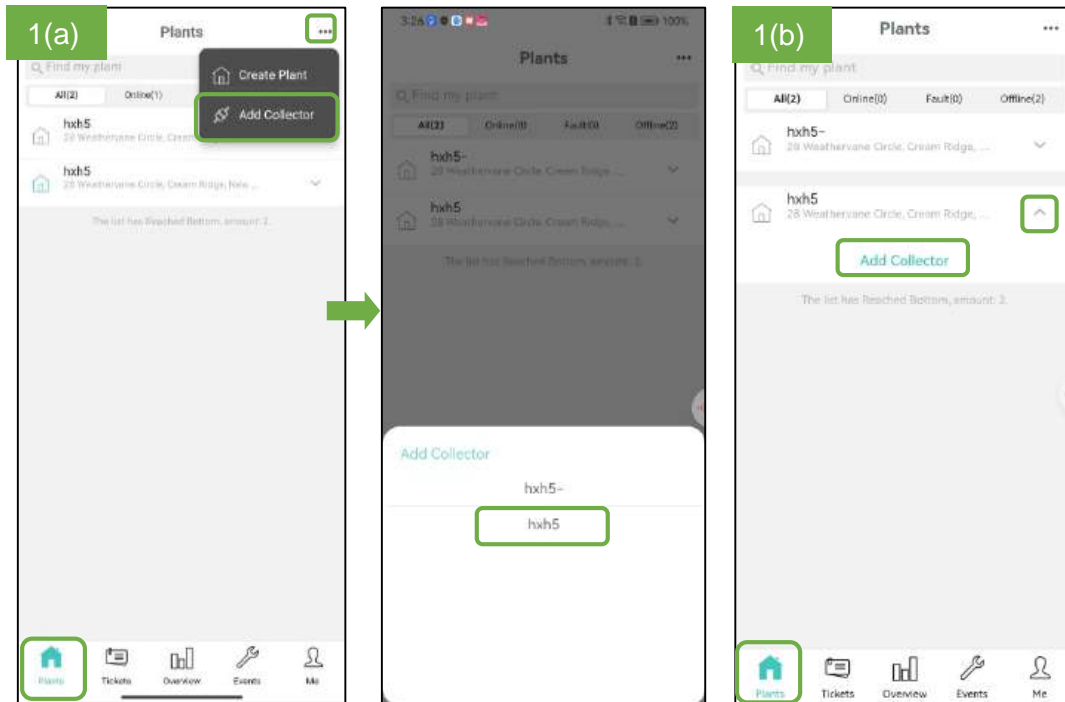
NOTE: You can create multiple plants for different battery systems. If you need to add more plants, repeat the steps above.

Step 4: Add collector

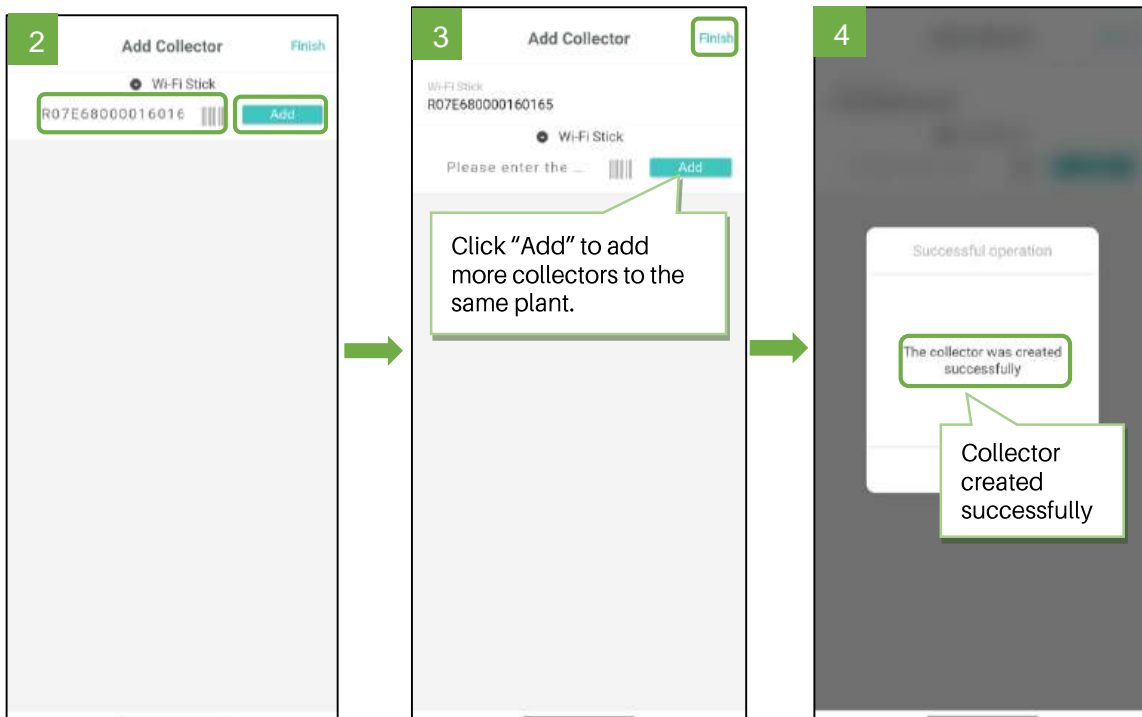
NOTE: To facilitate your viewing and managing the information of multiple batteries in one battery system, it is recommended to add the collectors of different batteries in one system under one same plant.



1. To access the "Add Collector" page, choose either of the following methods:
 - a. Select "Plants" to enter the Plants page → Click "..." in the upper right corner → Select "Add Controller" → Select the plant under which you want to add collector;
 - b. Select "Plants" to enter the Plants page → Select the plant and expand its right arrow → Click "Add Collector";



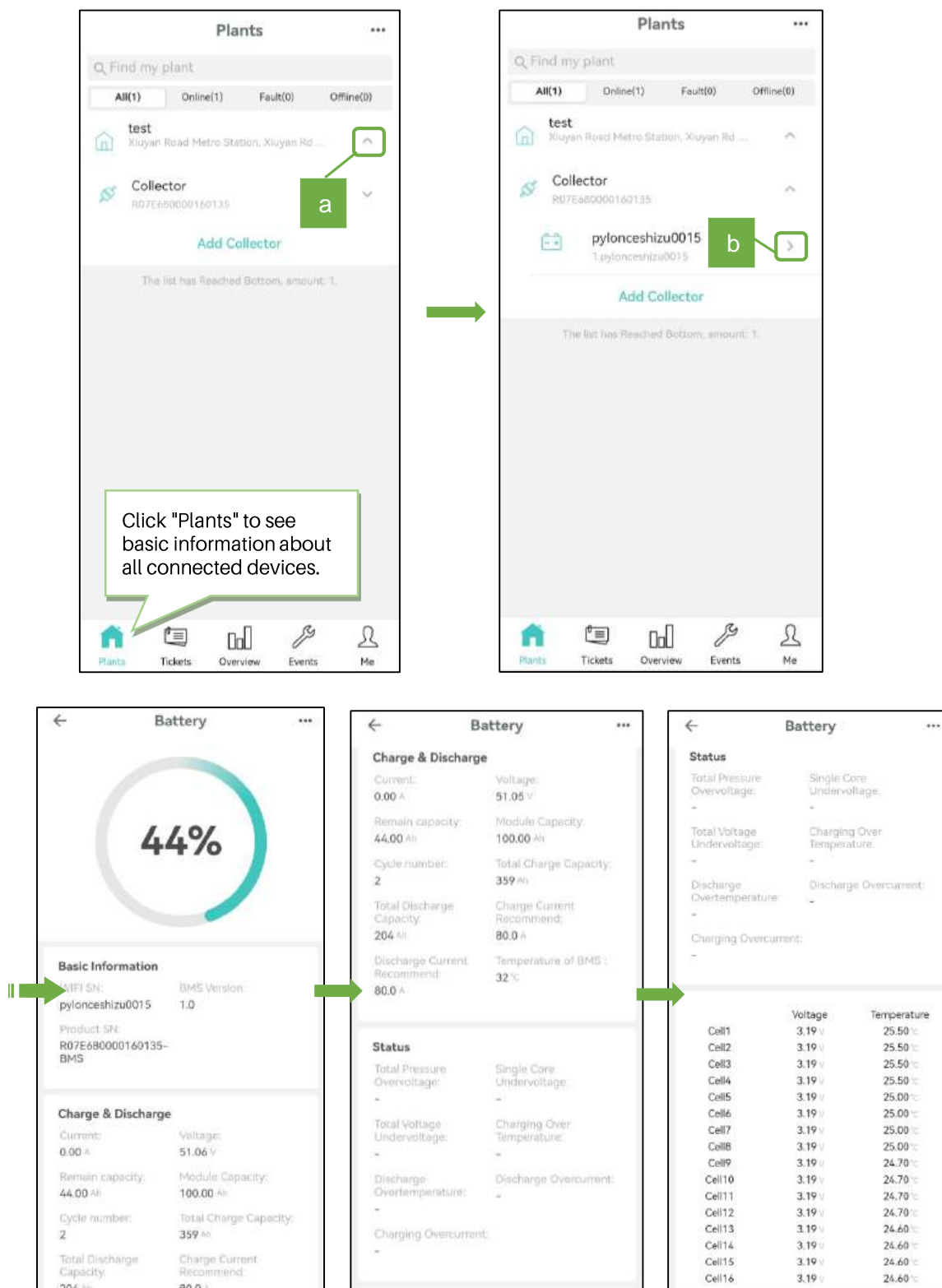
2. Scan the QR code on the front of the Wi-Fi Stick or manually enter the SN number of the Stick and click "Add".
3. Click "Finish" in the upper right corner to save and exit.
4. The collector is added successfully.



Appendix: Pylontech Home App Basic Function description

1. Click "Plants" to view the detailed information of the plant(s) you have added.
 - a. Select the plant you want to view, and click the drop-down arrow on the right to display the information of all the batteries connected to the network of that plant;
 - b. Select the battery you want to view, and expand the arrow to display the relevant information of the battery, including:

Basic information, Charge & Discharge, and Status.

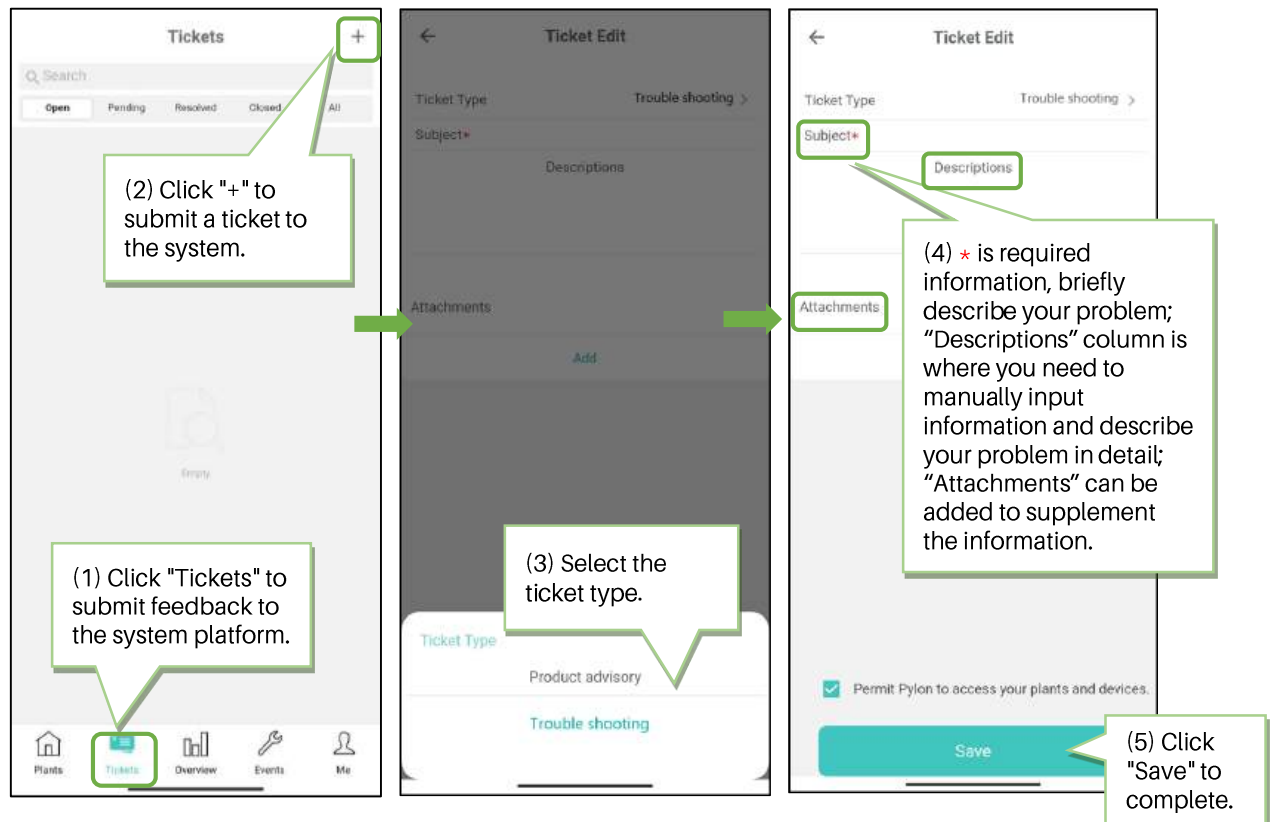


Tip: For battery-related information, please refer to the following instructions::

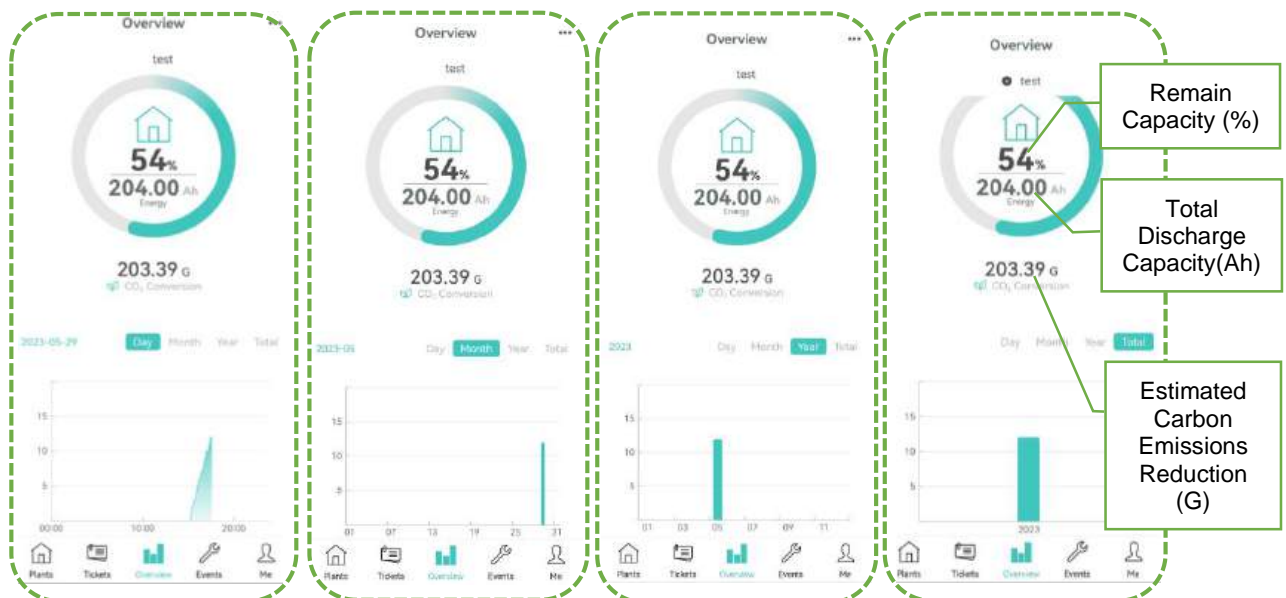
Basic Information	Wi-Fi SN	SN (serial number) of Wi-Fi stick
	Product SN	SN (serial number) of BMS
	BMS version	Version of BMS software
Charge & Discharge	Current(A)	Current of the battery during its working status
	Voltage (V)	Voltage of the battery
	Remain Capacity(Ah)	Remain capacity of the battery
	Module Capacity (Ah)	Total capacity of the battery module
	Cycle number	Cycle count of the battery that has used
	Total Charge Capacity (Ah)	Total charge capacity of the battery
	Total Discharge Capacity (Ah)	Total discharge capacity of the battery
	Charge current recommend(A)	Recommended charge current for the battery
	Discharge current recommend(A)	Recommended discharge current for the battery
	Temperature of BMS(°C)	Temperature of the BMS module
Status	Total Pressure Overvoltage	It will display "Y" if the described status is triggered; otherwise it will display "-".
	Single Core Undervoltage	
	Total Voltage Under voltage	
	Charging Over Temperature	
	Discharge Over Temperature	
	Discharge Overcurrent	
	Charging Overcurrent	
Cell Data (Cell 1~n)	Voltage (V)	Voltage of the single cell
	Temperature (°C)	Temperature of the single cell

2. Submit "Tickets" to provide feedback to the system platform, including:

- a. Product Advisory
- b. Trouble shooting



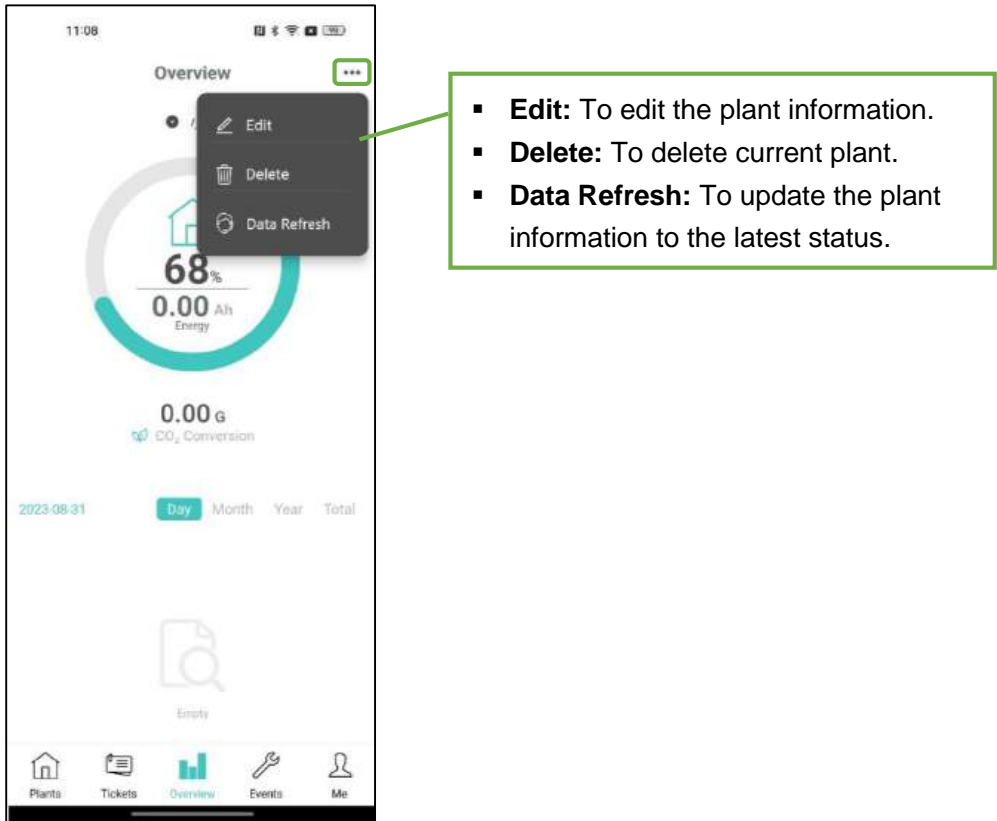
3. Click "Overview" to view your plant's operation (by Day/Month/Year/Total).



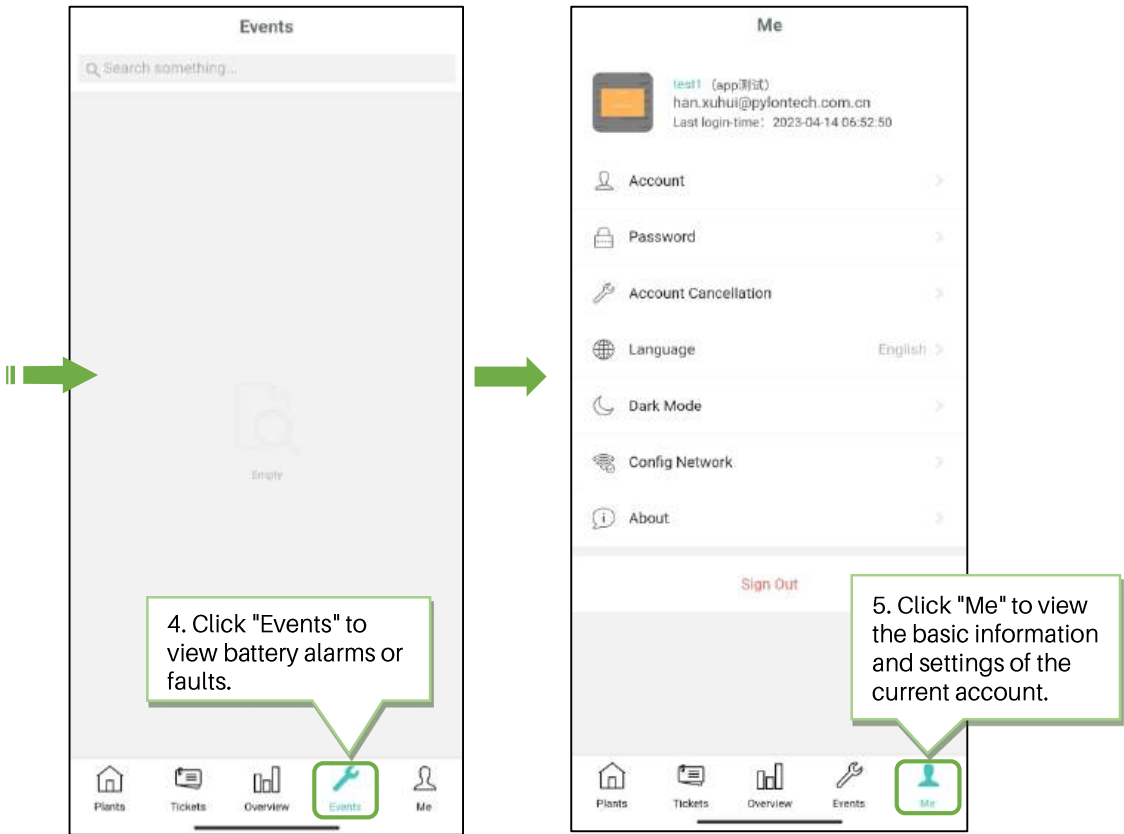
Tip: For the above Overview information, the instructions as follows:

- Taking the above illustration as an example, "54%" is the remain capacity of this battery (%); "204 Ah" is the total discharge capacity of the battery (Ah); and "203.39 G" is the estimated carbon emissions reduction (G).
- The chart data shows battery capacity has been charged in a given period (days/months/years/total); the horizontal axis shows the time period you selected, and the vertical axis corresponds to the battery capacity has been charged during that period.

If you click “...” on the top right of the page, a menu displays as follows.



4. Select "Events" to view the alarms or faults issued by the system when it detects abnormalities of the battery. Please contact the after-sales service to solve the problem.
5. Click "Me" to exit the current account or configure a new device.





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