

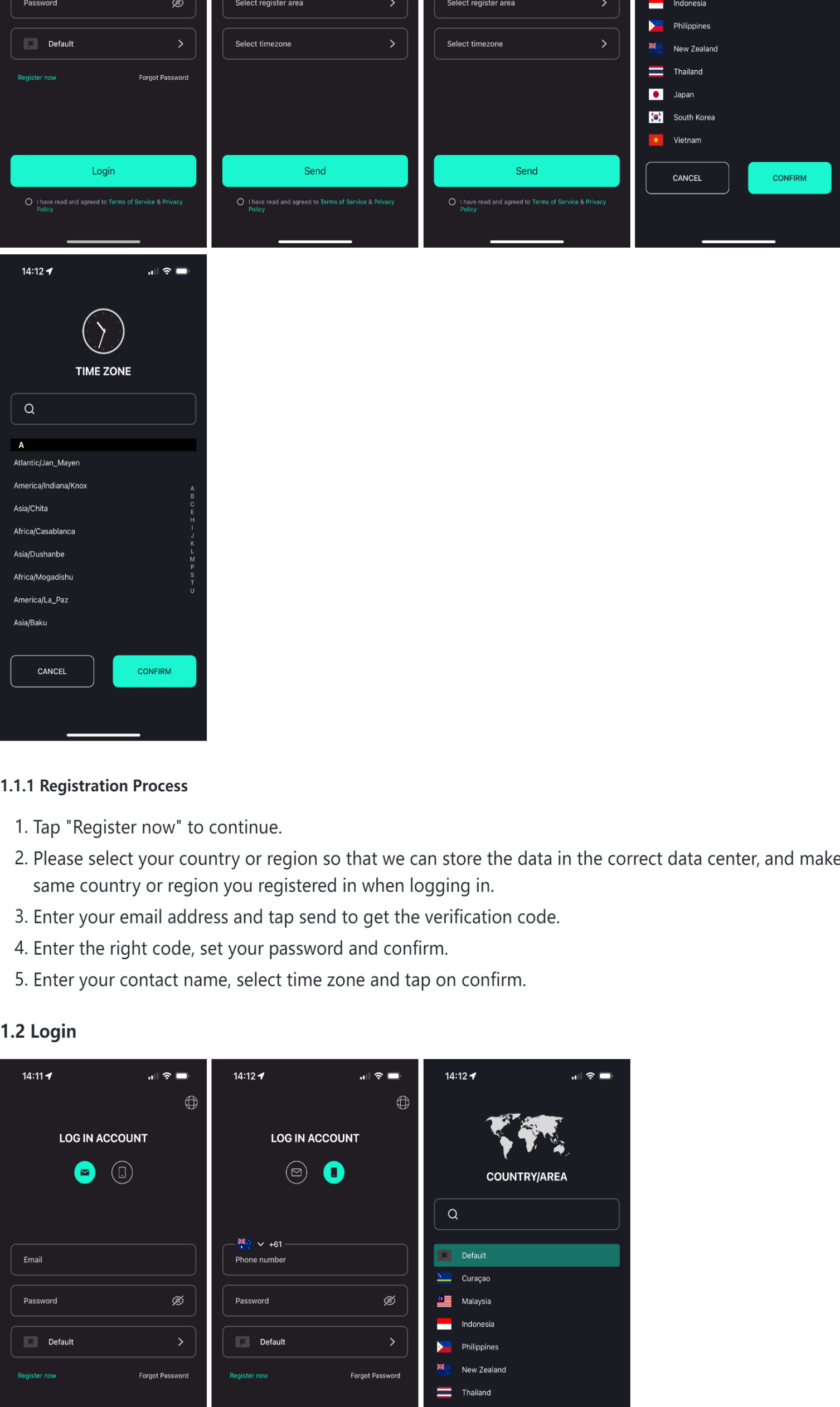
ECOS User Manual

This document is the operating instructions of the ECOS, a software product of Jiangsu Weiheng Intelligent Technology Co., Ltd. This document explains in detail the functions and the correct operation of the system, as well as how to use the energy storage energy management system correctly and effectively.

This manual is prepared based on the version v1.5.1. Screenshots are for reference only, and actual interface may differ.

Section 1: Login

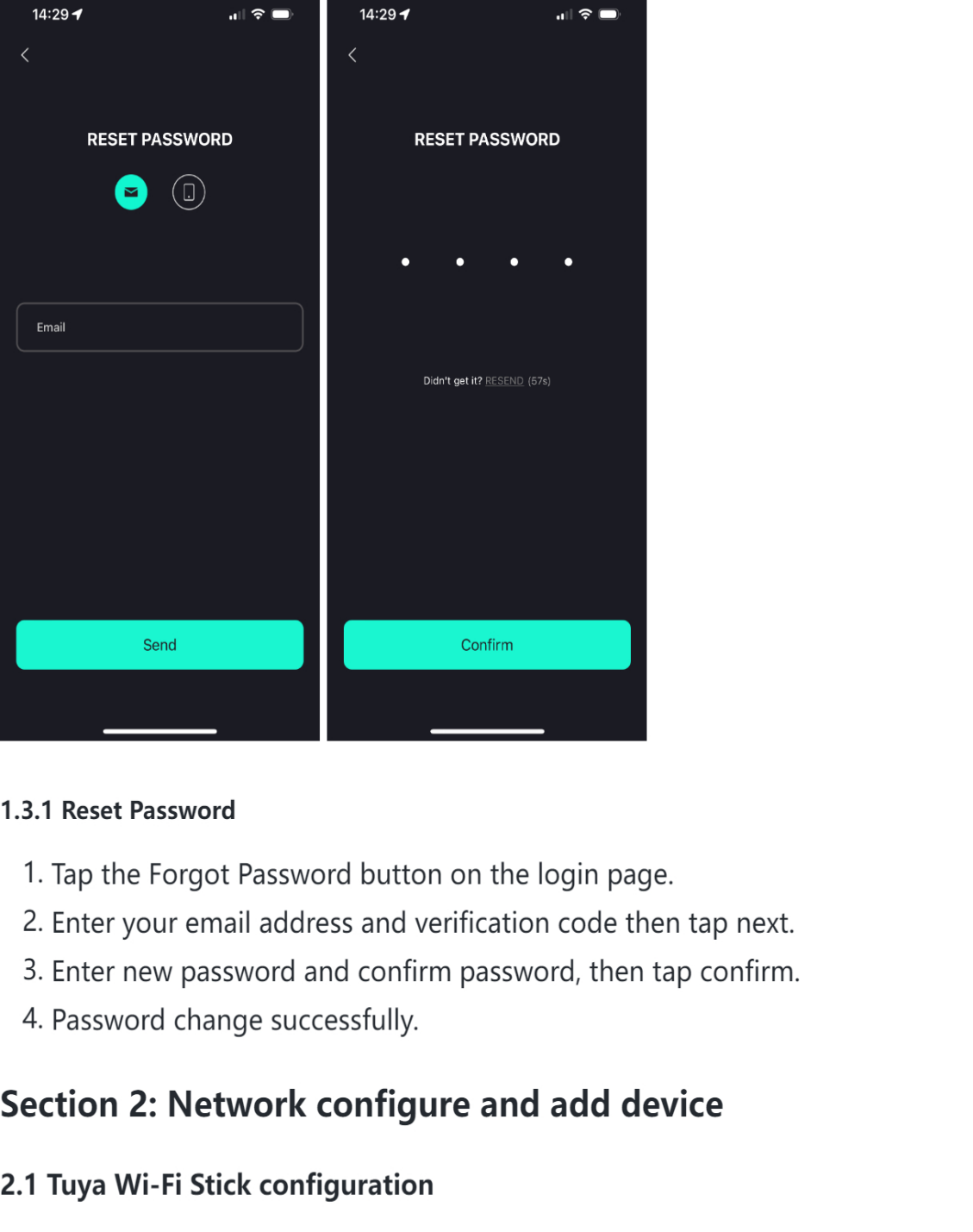
1.1 Account Registration



1.1.1 Registration Process

1. Tap "Register now" to continue.
2. Please select your country or region so that we can store the data in the correct data center, and make sure you select the same country or region you registered in when logging in.
3. Enter your email address and tap send to get the verification code.
4. Enter the right code, set your password and confirm.
5. Enter your contact name, select time zone and tap on confirm.

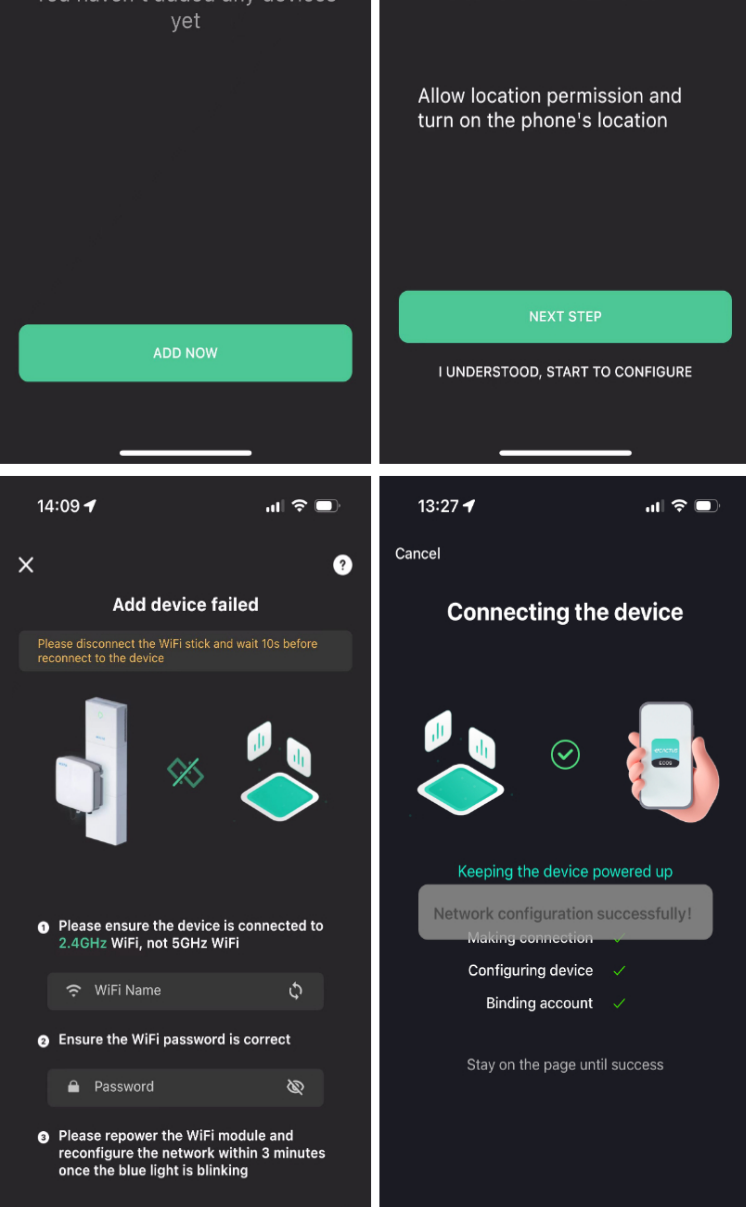
1.2 Login



1.2.1 Login Process

1. Please make sure you select the same country or region you registered in when logging in.
NOTE: If you already have an account, please select the default country or region.
2. Enter your registered email address.
3. Enter your registered password.
4. Tap login.
5. Login successfully and enter the interface of adding device.

1.3 Forgot Password



1.3.1 Reset Password

1. Tap the Forgot Password button on the login page.
2. Enter your email address and verification code then tap next.
3. Enter new password and confirm password, then tap confirm.
4. Password change successfully.

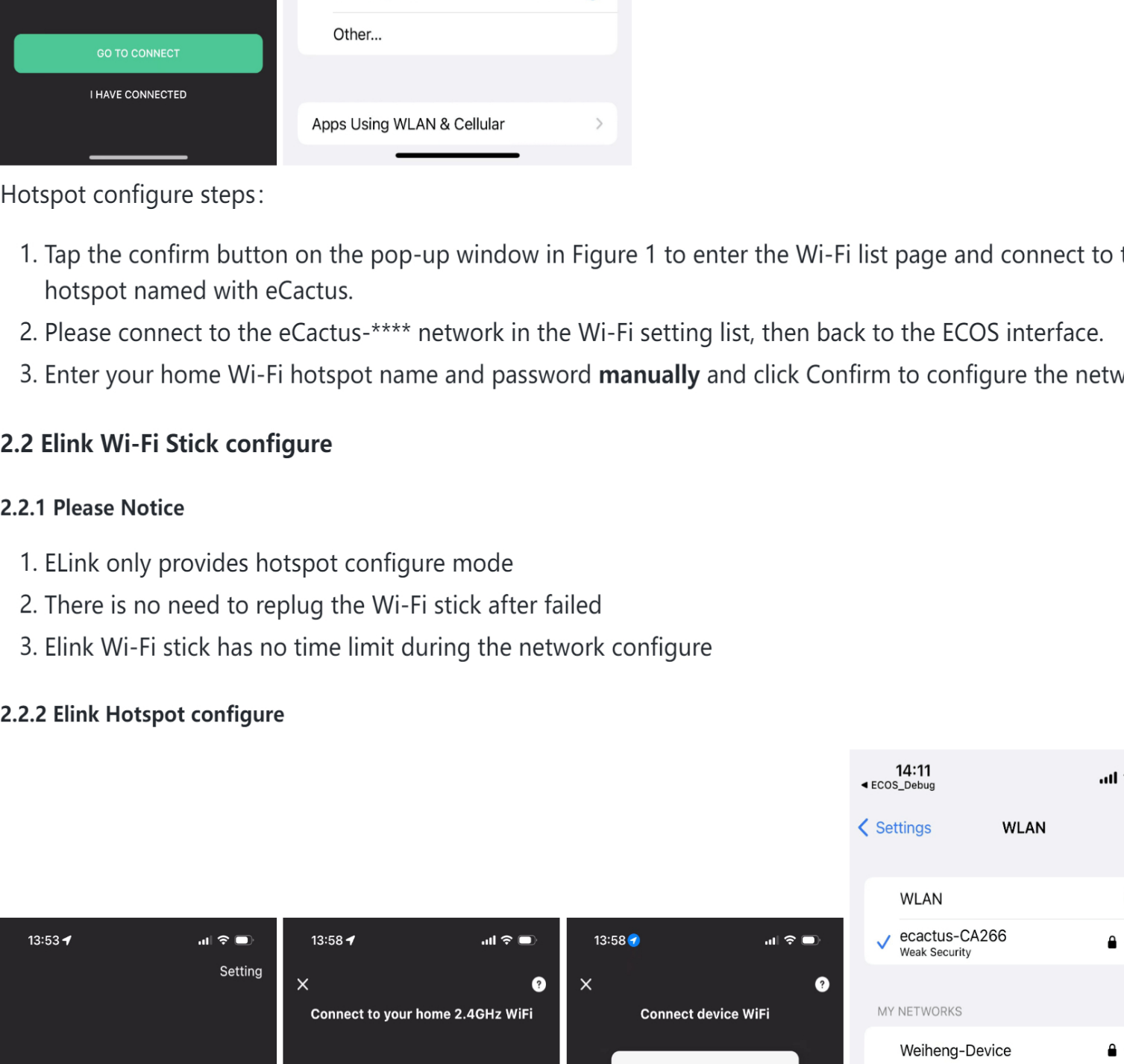
Section 2: Network configure and add device

2.1 Tuya Wi-Fi Stick configuration

2.1.1 Please notice

1. Network configure must be completed within 3 minutes, please plug and unplug the Wi-Fi stick again to reconfigure after the time limit.
2. The Wi-Fi stick must be re-plugged after the network configuration failed.
3. After disconnecting the Wi-Fi stick, you need to wait for 10 seconds to connect into the device again and reconfigure.

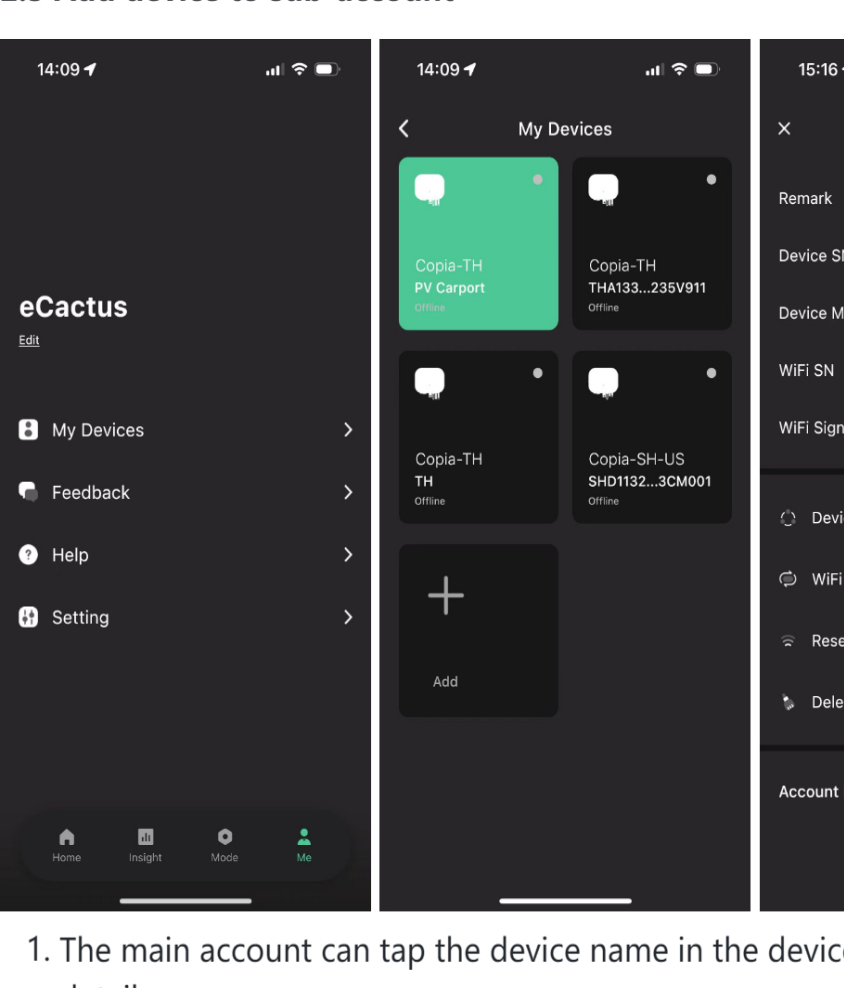
2.1.2 Tuya Bluetooth configure



Bluetooth configure steps :

1. After the Wi-Fi stick is plugged into the device, then log in to the ECOS home page and wait for 10~15 seconds, the Bluetooth will automatically find the nearby devices to be paired, or you can tap the "ADD NOW" button to enter the hotspot pairing mode.
2. After finding the device to be paired, tap the "ADD NOW" button in the pop-up window to enter the network configuration page.
3. On the matching page, it will automatically identify the Wi-Fi connected to the mobile phone, you just need to enter the Wi-Fi password and click the "Confirm" button to start connecting (red light blinking). If the obtained Wi-Fi is not the one that needs to be configured, click the switch button on the right of the Wi-Fi name to switch.
4. If the network fails, it will enter the hotspot network interface, please do not operate the ECOS software at this time, follow the hotspot network steps to operate.

2.1.3 Tuya Hotspot configure



Hotspot configure steps:

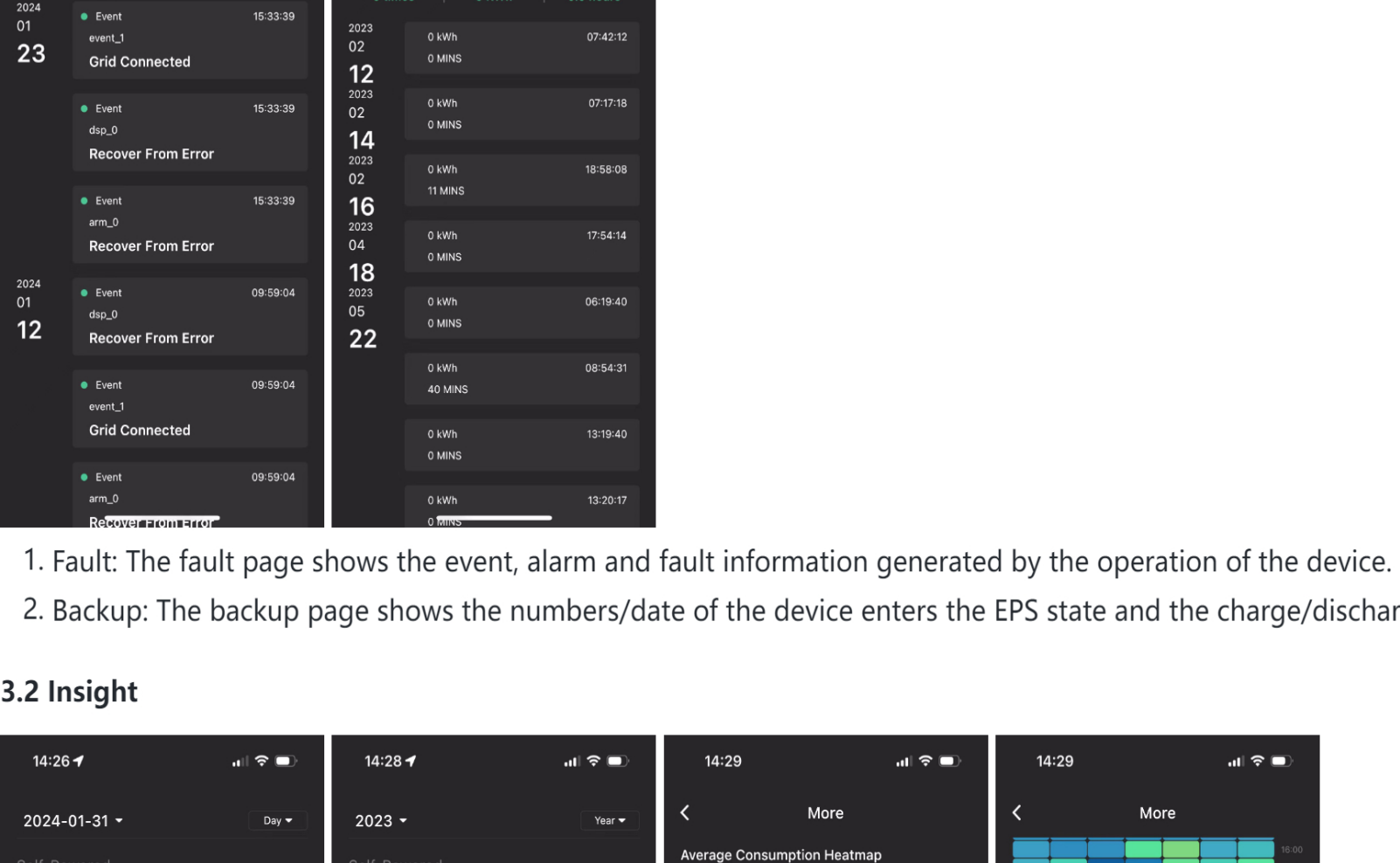
1. Tap the confirm button on the pop-up window in Figure 1 to enter the Wi-Fi list page and connect to the Wi-Fi Stick hotspot named with eCactus.
2. Please connect to the eCactus-**** network in the Wi-Fi setting list, then back to the ECOS interface.
3. Enter your home Wi-Fi hotspot name and password manually and click Confirm to configure the network.

2.2 Elink Wi-Fi Stick configure

2.2.1 Please Notice

1. Elink only provides hotspot configure mode
2. There is no need to replug the Wi-Fi stick after failed
3. Tap the Wi-Fi stick has no time limit during the network configure

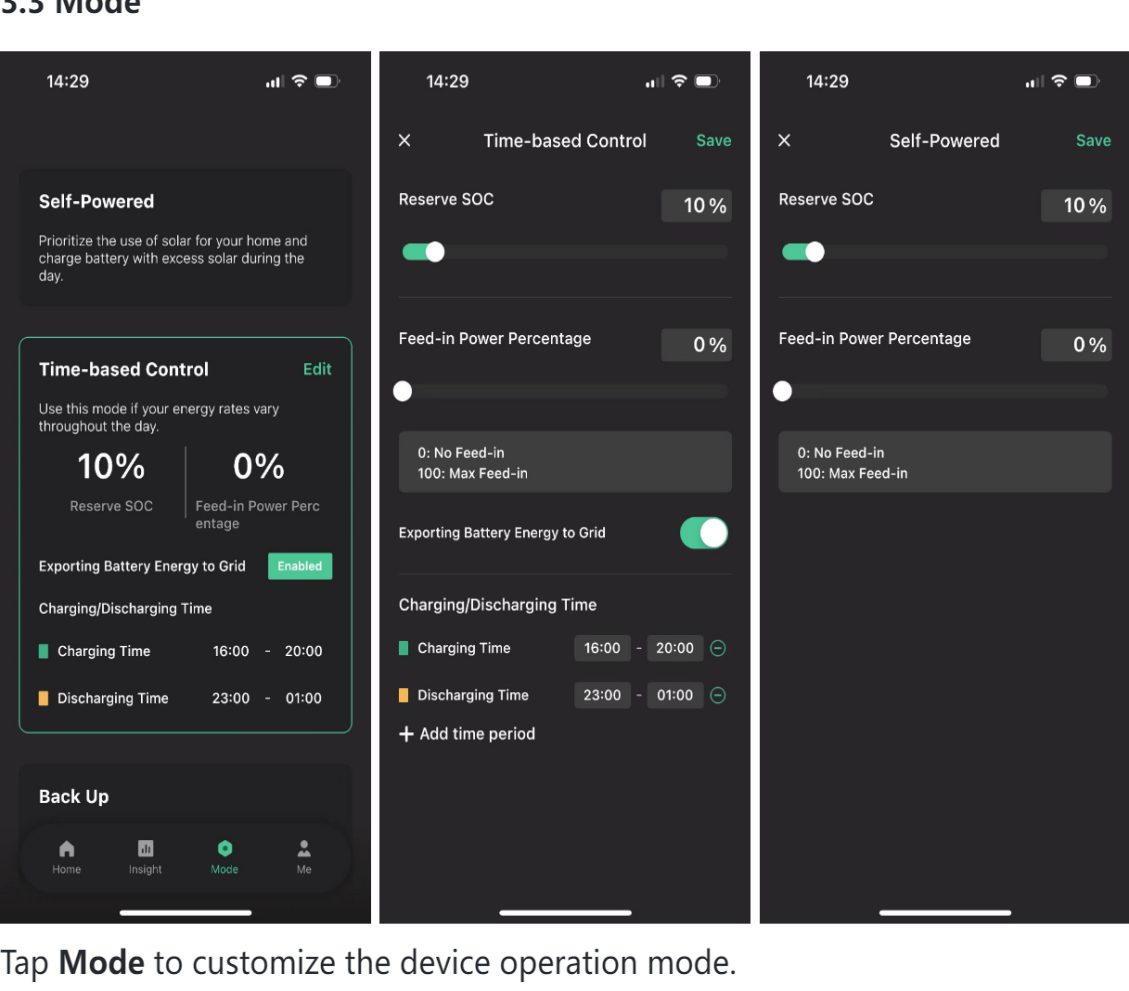
2.2.2 Elink Hotspot configure



Elink hotspot configure steps:

1. Tap the Add Now button on the screen to scan the Wi-Fi Stick QR code to enter the network configure page.
2. Tap Confirm to enter the Wi-Fi list page, then connect to the eCactus-xxxxx Wi-Fi Stick hotspot and back to ECOS.
3. Tap the switch button next to the Wi-Fi to select your home Wi-Fi and enter the password and tap OK to enter the network configure status.
4. After successfully connected, click Confirm to enter the Wi-Fi list and select your home Wi-Fi.
5. Back to ECOS to start pairing with device after configured the Wi-Fi network and wait to paired.
6. If the adding device fails or the network configuration fails, please re-configure the device with the network.

2.3 Add device to sub-account

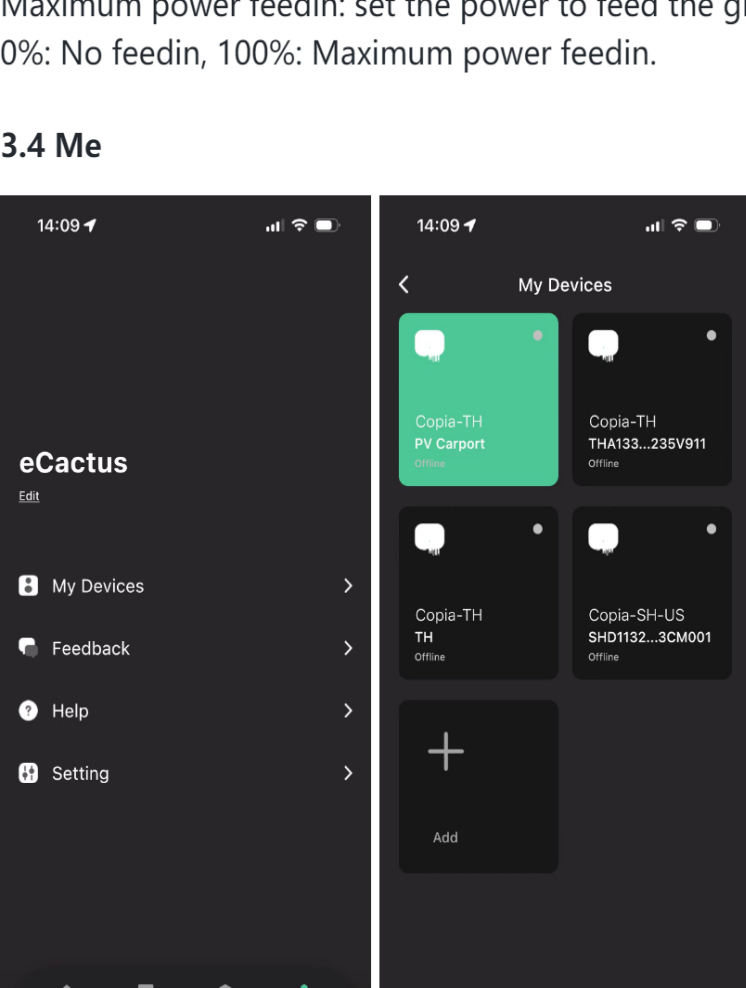


1. The main account can tap the device name in the device management and check the QR code of the device in the device detail.
2. Sub-account can add device through this QR code, no need to configure the network again.

Section 3: Features

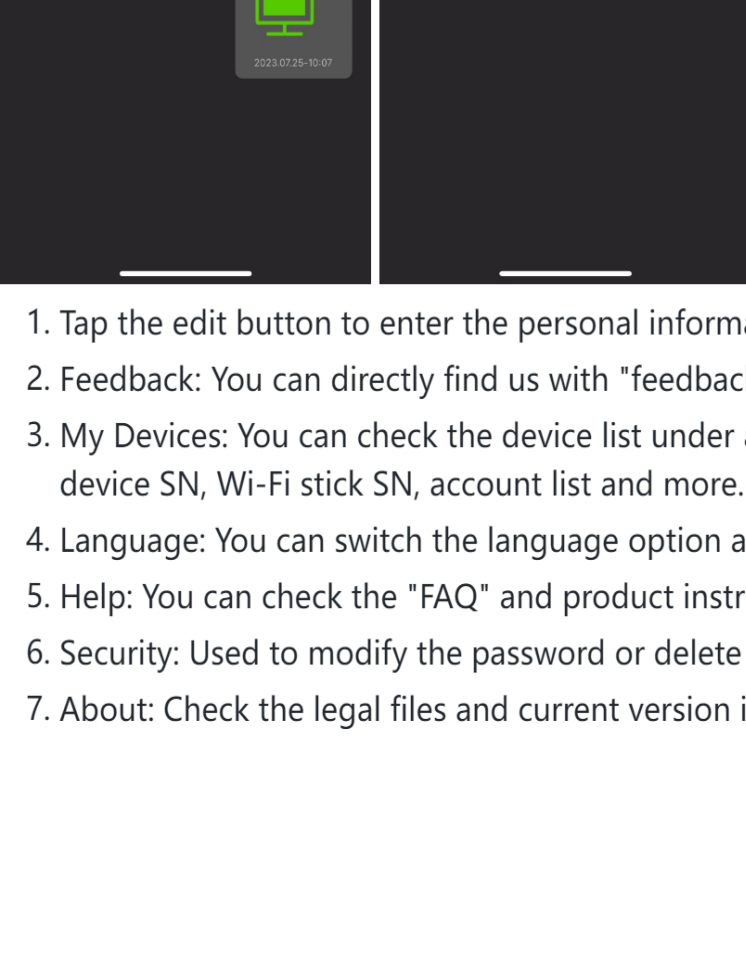
3.1 Home Page

3.1.1 Switch and add devices



1. Tap the arrow button in Figure 1 to open the device list.
2. As in Figure 2, tap on different devices to switch between the devices, tap on the + button to add a new device.

3.1.2 Events

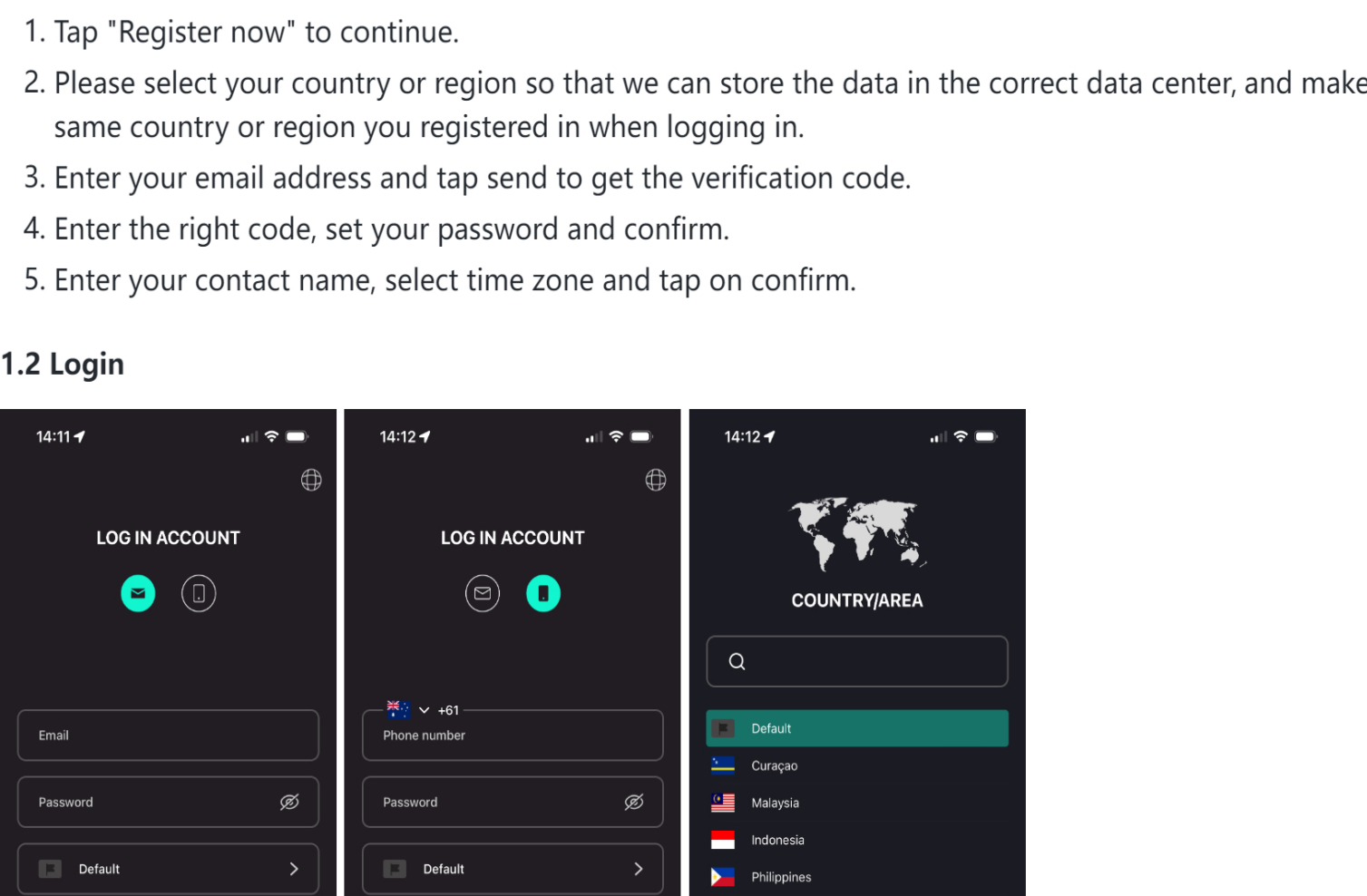


1. Fault: The fault page shows the event, alarm and fault information generated by the operation of the device.
2. Backup: The backup page shows the numbers/date of the device enters the EPS state and the charge/discharge amount.

3.2 Insight

1. Real-time page shows the device running status/battery power SOC.
2. Tap the button marked in the figure to enter the real-time power curve page of the device.
3. History page shows the historical data of home load/ PV power generation/ battery charging/ discharging/ power from the grid.
4. The heatmap page shows the average daily energy consumption bar graph and the average daily energy consumption heat map of the device for the last seven days.
5. Notification can set the daily power consumption and send an email reminder when the power consumption reaches the set value.

3.3 Mode



Tap Mode to customize the device operation mode.

Mode Introduction:

Self-power: PV power supply to the household load as a priority, excess energy to charge the battery, still have excess energy then feed the grid, feed the grid power is 0-100% can be set; PV energy is not enough for the load, supplemented by battery to replenish, if still not enough then by the grid.

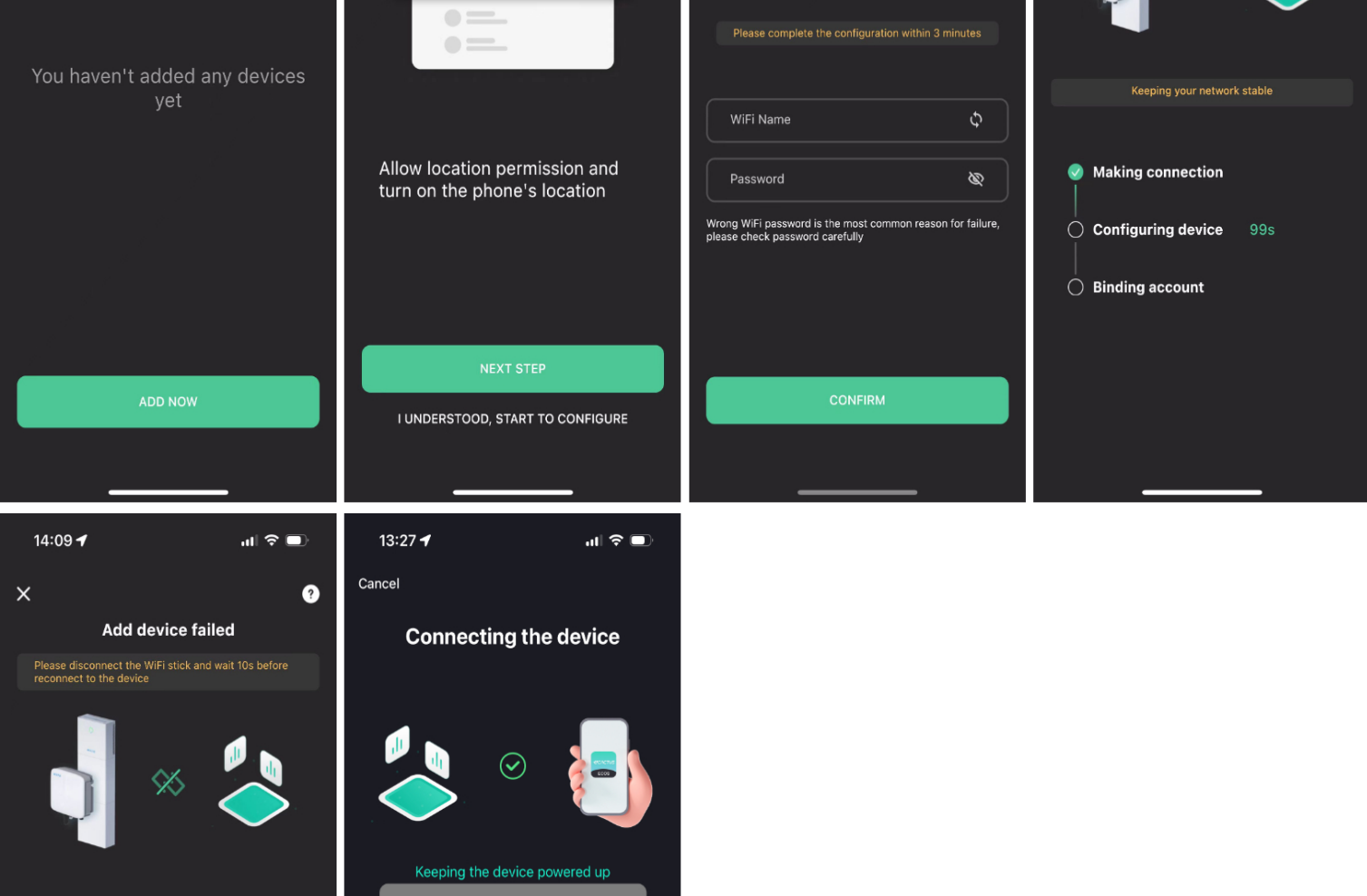
Time-based Control: Charging and discharging time can be set freely; during charging time, PV plus the grid is fully charged to the battery, if PV has excess energy, it will be fed to the load, and if there is still excess energy, it will be fed to the grid; during discharging time, PV and battery discharge to the household load, priority is given to using PV energy, and if it is not enough, it will be replenished by the battery, PV plus battery energy is not enough for the load, then it will be replenished by the grid, and PV excess energy will be fed to the grid; not within charging and discharging time, it is self-generated. Not in the charging and discharging time range, it is self-generating and self-use mode. Also support for the battery to feed-in to the grid during the discharge time period in load shifting mode.

Backup: When the battery power is greater than or equal to the backup power setting, the machine is in self-generating and self-consumption mode; when the battery power is less than the backup power setting, the machine switches to backup power mode, and the PV and the grid are fully charged to the battery (priority is given to the PV energy, the excess PV energy is given to the load, and the excess energy is fed to the grid) until the battery power is charged to the backup value of power outage, and the inverter switches to self-generating and self-consumption mode again. Also support the feature to set a minimum State of Charge (SOC) in off-grid mode (EPS mode).

Maximum power feed-in: set the power to feed the grid.

0%: No feed-in, 100%: Maximum power feed-in.

3.4 Me



1. Tap the edit button to enter the personal information page, you can modify account information.
2. Feedback: You can directly find us with "feedback" function.
3. My Devices: You can check the device list under account and click the device name to view the device details, including device SN, Wi-Fi stick SN, account list and more.
4. Language: You can switch the language option and select the language you need to use.
5. Help: You can check the "FAQ" and product instructions here.
6. Security: Used to modify the password or delete the account.
7. About: Check the legal files and current version information here.