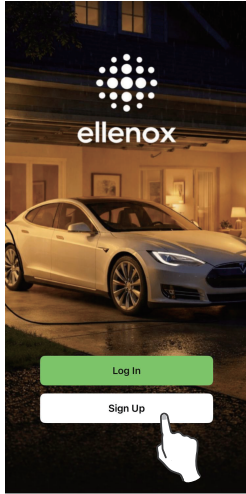


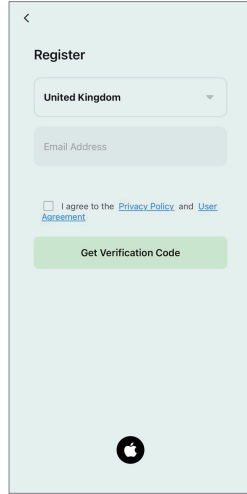
# INSTALLATION INSTRUCTIONS

## REGISTER

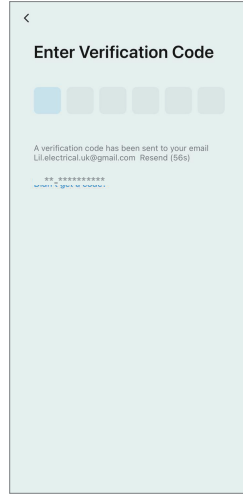
Step 1. Application platform download “Ellenox” APP



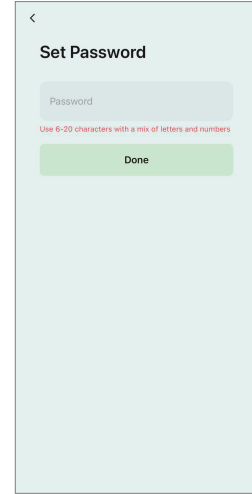
Step 2-1: Click Sign Up



Step 2-2: Check the app agreement, enter the registered mobile phone number and click to get the verification code



Step 2-3: Input verification code.



Step 2-4: Input the account login password and click done to complete the registration.

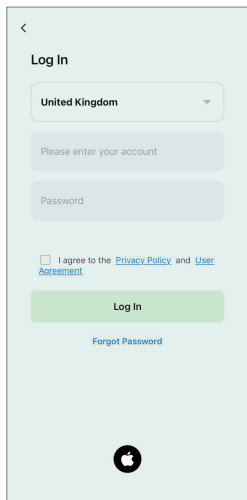
Step 2. Open the tuya app register an account to log in or log in directly through the relevant app bound by APP.

**Note:** You can register your account through your mobile phone number or email. The following takes mobile phone number registration as an example to describe the steps in detail:

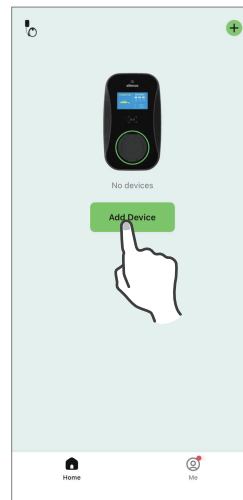
## ADD DEVICE



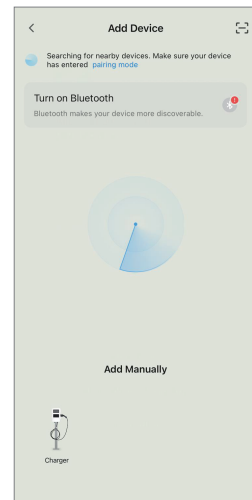
Step 3-1: Click log in



Step 3-2: Check the app agreement, enter the registered account and password, and click log in.



Step 4: Add device.



Step 5: Network and bluetooth not turned on.

**Step 3.** Check the app agreement, click log in, input the newly registered account and password to log in to the app, and complete the app log in.

**Step 4.** Reset wifi(Hold the button down for 10s it will beep twice), Click “Add Device” to add the charger device that needs to be connected.

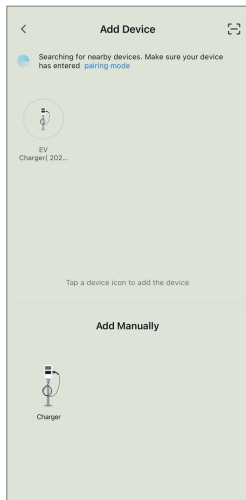
**Note:** Make sure the car is not plugged in to the charger.

**Step 5.** After turning on wifi , bluetooth and geolocation, thee need to be enabled in the permissions. Click where it says turn on, and follow the guide to enable nearby devices. The app automatically searches for connectable devices. **Note 1:** When connecting the device,the mobile phone must be close to the charger.

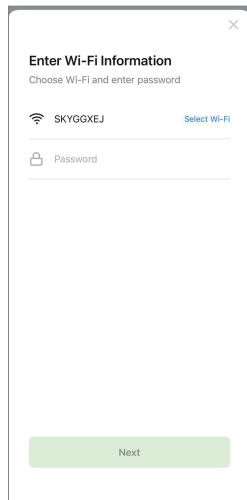
# APP INSTRUCTION

Note 2. The charger needs to be connected to WiFi. If the WiFi signal is weak or absent, the charger will not receive the signal or delay the connection. Therefore it is recommended to add an enhancement device for WiFi receiving signal near the charger. Note: To check if your WiFi can reach the charger and have a good signal check your smart device or smart phone whilst standing close to the charger with the WiFi tuned on if the signal can be seen above 2 bars then it is ok if not a WiFi booster or repeater needs to be added.

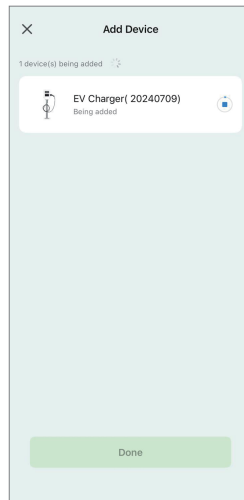
**Note:** The ethernet port is not for the smart App it is only for OCPP use.



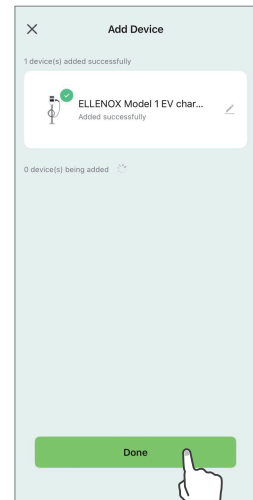
Step 6-1: Click Add.



Step 6-2: Enter wifi name and password, then click the next



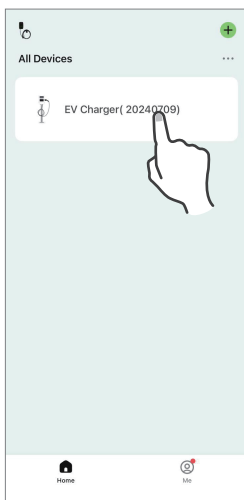
Step 6-3: Loading



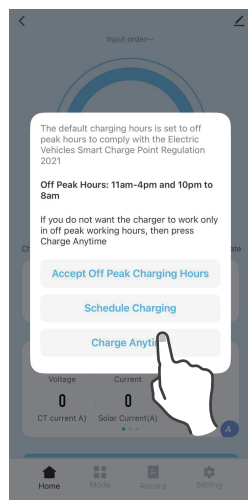
Step 7

**Step 6.** After clicking ADD, enter the wifi and wifi password, wait for the device to connect to the network.

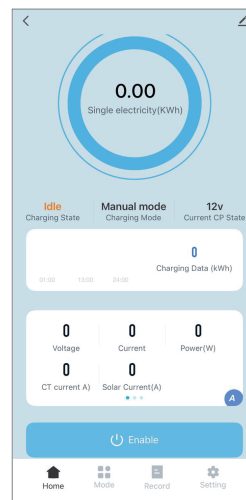
**Step 7.** If you need define a new device name, click if not need, click “done” to confirm the connection is successful.



Step 8: Click the corresponding device.



Step 10-1: Default selection interface



Step10-2:Device control interface

**Step 8.** Click the relevant device icon to enter the device control interface.

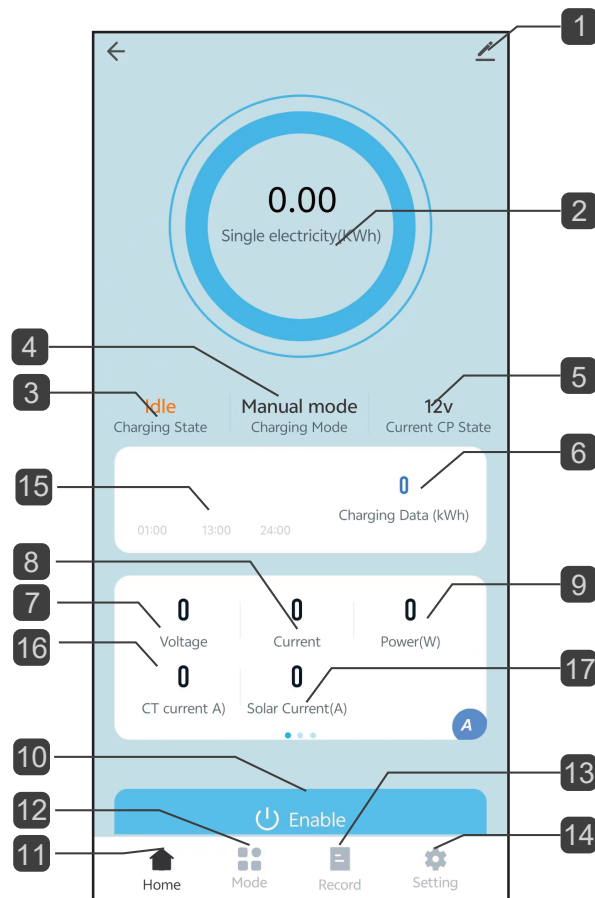
**Step 9.** The first connection will appear the default selection interface, you can select the default mode, edit the charging time or select the manual mode.

**Step 10.** Click Charge anytime.

**Step 11.** After connecting to the electric vehicle, then charging without any operation.

# APP INSTRUCTION

## OPERATE INTRODUCTION




## INTERFACE INTRODUCTION

- |  |                              |
|--|------------------------------|
| 1 Edit                                   | 8 Charging current           |
| 2 Single charging energy consumption     | 9 Charging power             |
| 3 Charging state                         | 10 On/off                    |
| 4 Charging mode                          | 11 HOME                      |
| 5 CP state                               | 12 Charging mode             |
| 6 Cumulative charging energy consumption | 13 Record                    |
| 7 Charging voltage                       | 14 Setting                   |
|  | 15 Energy consumption record |
|  | 16 CT current                |
|  | 17 Solar current             |

# APP INSTRUCTION

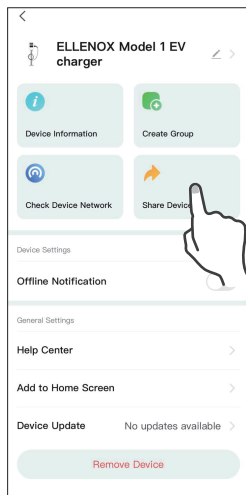
## 1 Edit

(1). You can set the charger name by clicking "

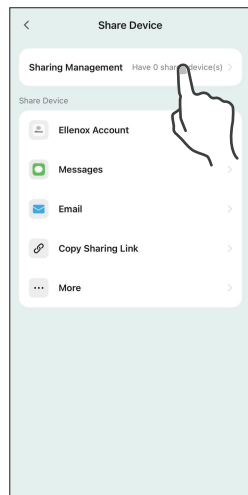
(2). **Offline Notification:** When the charger is powered off, it will prompt the device to be offline on the home screen.

(3). **Share Device:** You can share the APP with others by share device. Shared users only have the using right and cannot share the APP again.

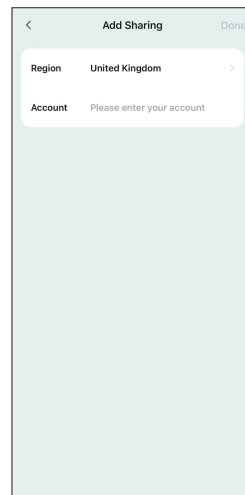
Refer to the following steps:



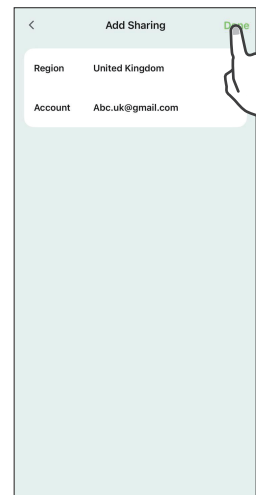
Step1: click "Share Device".



Step2: click "share with the account".



Step3: Input account at "account".



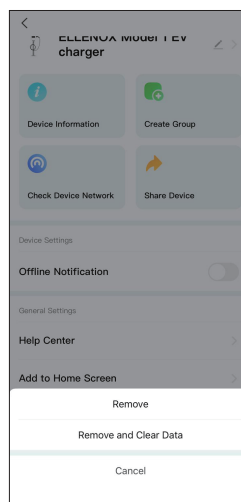
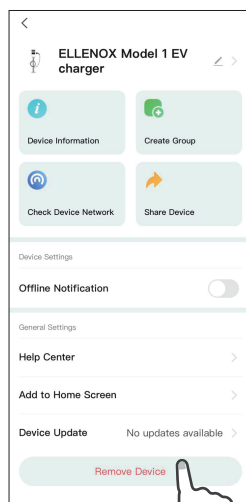
Step4: Done.

(4). **Software Update:** When there is a software update available a message will appear on the APP screen to confirm the update.

## (5). Remove Device

1. **Remove:** Disconnect device connection.

2. **Remove and Clear Data:** Disconnect device connection and wipe "Charging record" and "Error Log" data.



# APP INSTRUCTION

## 12 Charging mode

The following situation indicates that the OCPP platform is not connected.  
 “✓” indicates that it is in the current charging mode, and the charging logic operates according to this mode

### 1. ✓ manual mode

1-1. ✓ Manual mode is **on**. Just plug in the gun to charge.

1-2. ✓ Manual mode is **off**. You need to manually swipe the card or start charging by clicking "turn on" in the tuya APP.

### 2. ✓ ECO(For solar): Optional (only applicable to products with solar loads).

When ✓ in **ECO (For solar)** mode, the charger will use the electricity generated by the solar system to charge the car.

**ECO(For solar)** is **on**, the car can be charged immediately by plugging in the gun in the solar mode.

**ECO(For solar)** is **off**, you still need to swipe your card or manually clicking "turn on" in the tuya APP to start charging.

**I**: The current feed back from solar energy to the power grid.

1. When the product has not started charging, the unit can be started when the CT detects that the current **I** is greater than 8A, the unit can be charged according to current **I**-2A, and the maximum charging current is the rated output current; When the current **I** is detected to be less than 8A, the unit cannot start charging.

2. During charging, when the charging current is greater than 6A, the charging current will change with the CT detection current **I**-2A; When the charging current is equal to 6A and the CT detection current is less than 2A, the charging is suspended, and the charging is resumed when the detection current **I** is greater than 8A.

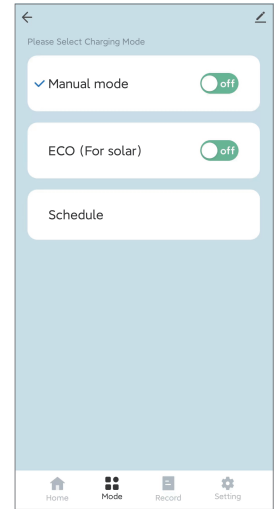
### 3. ✓ Schedule: Timed charging.

✓ In Schedule, you can set the charging time period according to your needs.

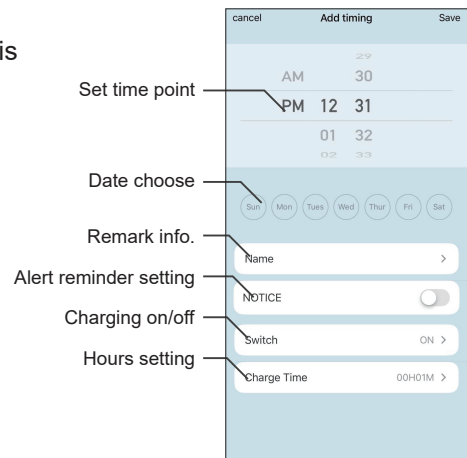
**NOTE 1:** When you choose the set time point to turn on the charging, you must adjust the hours setting, otherwise the default charging time is only 1 minute;

**NOTE 2:** When you choose the set time point to turn off the charging, there is no hours setting;

**NOTE 3:** When you choose the date choose, this time of each week will default to on or off charging.



Charging mode



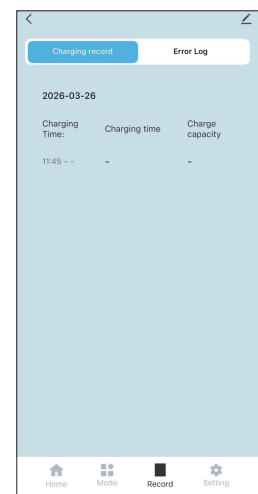
Charging mode

## 13 Record

You can view “**Charging record**” and “**Error log**” on this interface.

**NOTE:** Only the information that is turned on or off through the APP will be recorded in the charging record.

When the charging is turned on by the function button, there is no charging record.



Record


# APP INSTRUCTION

## 14 Setting

### 1. Input instruction:

**RFID No.:** You can input RFID card number for RFID product. Enter RFID number to bind the card;

**GNDON:** Monitoring the ground wire;

**NOTE:** This function is effective when "3" DIP switch is in the "On" position  ;

**GNDOFF:** Cancel monitoring the ground wire;

**RESET:** Clear all charging data (After setting up, please power off and restart unit).

**2. Current setting:** You can set max charging current, max charging current not more than the current of DIP switch setting.

**NOTE 1:** After the APP is connected at the first time, the current value displayed here is not the set current value, it is a current setting form.

**NOTE 2:** It will take effect only after clicking to enter to set any current value, and the current value adjustment range is 6-32A.

**NOTE 3:** If the current value has never been set here, the value displayed here is invalid.

### 3. DLB: (Dynamic Load Balancing)

You can set power management from this tab, To use this function a CT clamp is required.

To set maximum current:

3-1. Click DLB tab to enter command input field.

3-2. Input value, this value is the limited protection value of household entry current, the setting range is 0-999, and the factory default setting is **60** (the system will automatically optimize the current value when the actual value is 5 less than the value set); the setting value is recommended to be set according to the rated current value of the total household current.

**4. Temperature :** can check device interior temperature value.

**5. IP(URL):** Change the address of the OCPP back-office server.

Such as : wss://\*\*\*\*\*.\*\*\*/.

**Note:** Please don't ignore the last character " / ", as it is very important.

**6. ID :** The product name in the OCPP back-office server.

**NOTE 1:** Make sure the ID is unique.

**NOTE 2:** After the ID is replaced, it can be concluded that the ID replacement is complete only when the Device number is consistent with the replaced ID; If the Device number does not change after changing the ID, you can exit the APP and then power off and restart the EV charger.

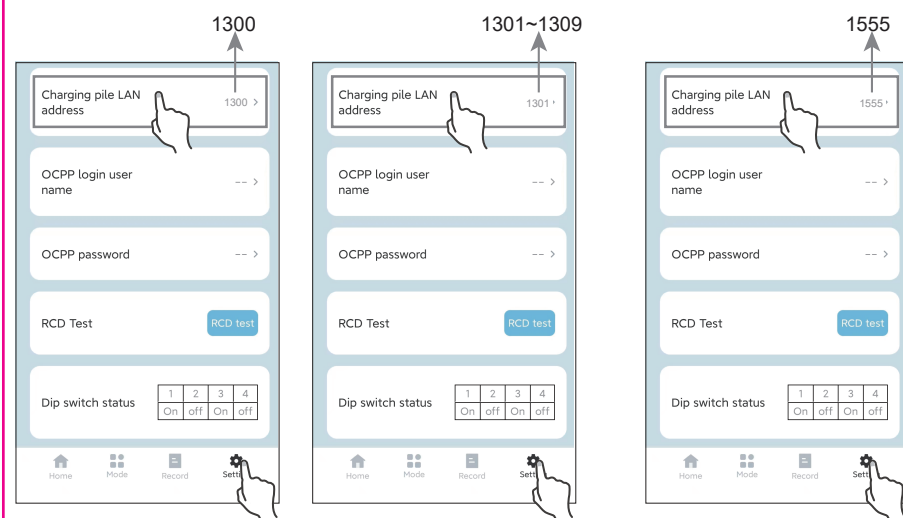
**NOTE 3:** After the IP or ID is replaced, it must be powered off and restarted to take effect.

### 7. Charging pile LAN address:

Only used for charger group management model, main charger code is 1300 (Fig.17), subordinate charger code is 1301 - 1309 (Fig.18).

If the charger group set up to the home charger, you need to enter 1555 (Fig.19).

**NOTE:** Other code are invalid.



Main charger point

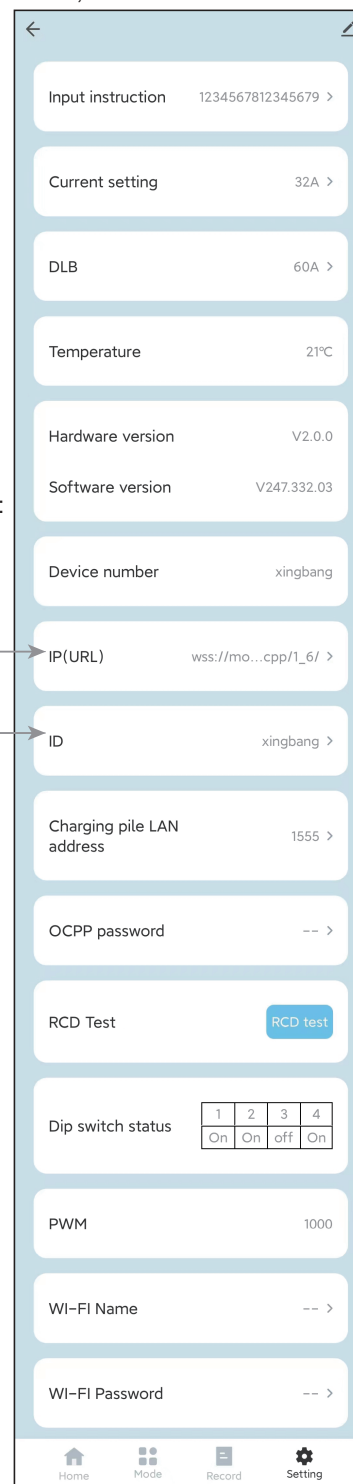
Fig. 17

Subordinate charger points

Fig. 18

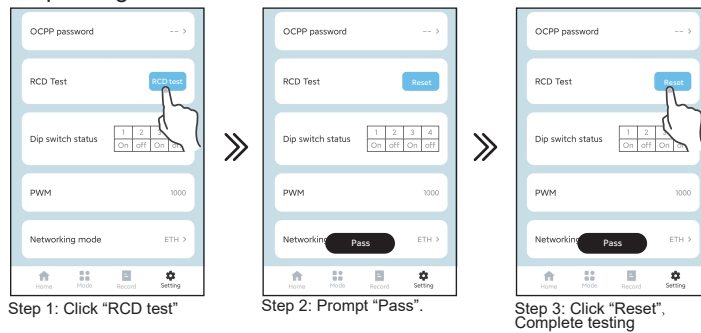
Home charger

Fig. 19



# APP INSTRUCTION

8. **RCD test:** Leakage protection test. When clicking on "RCD test", the device will report a leakage fault, and the APP will display "Pass" to indicate passing the test. Then click "Reset" to restore the device to normal, Complete testing.



9. **Dip switch status:** You can check the Dip switch status of the device through the APP.

10. **OCPP password:** the profile 1/2 password of OCPP background can be change at here;

11. **WIFI-name:** Manually enter the name of the WIFI network that needs to be connected; (For example, you can use office, home, and other WIFI, but you need sufficient signal strength).

12. **WIFI-password:** Enter the WIFI password corresponding to the above WIFI name.

## SETTING - SERVICE INTERFACE

Press and hold for more than 10s to enter the "service" interface, you can set:

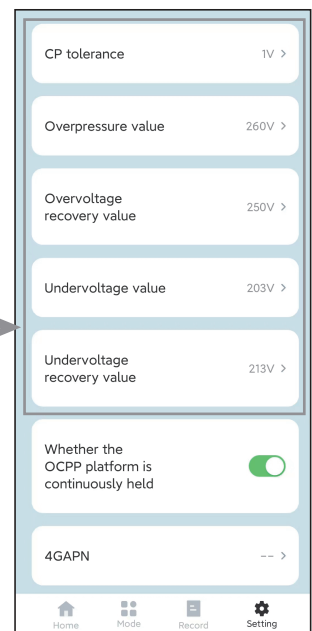
1. **Whether the OCPP platform is continuously held (OCPP SWITCH):**

The OCPP switch is turned on, OCPP is available;

The OCPP switch is turned off, OCPP can't be used, and APP can be used;

2. **4GAPN:** Enter the 4G card Access Point Name. (Only applicable to 4G models )

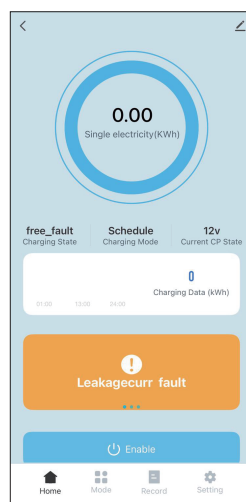
**Note:** The internal parameter settings of the product require professional personnel to set and cannot be changed without permission.



Service interface

## FAULT INTERFACE

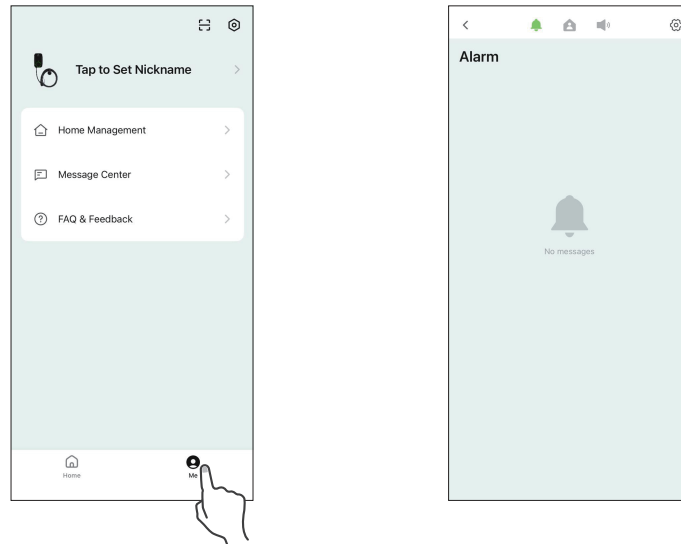
If device has fault, you can view the cause of the failure in the center of the main interface of the APP.



# APP INSTRUCTION

## ALARM

If there is unauthorized attempted access off the charger software detects this tampering and this is reported via the APP.

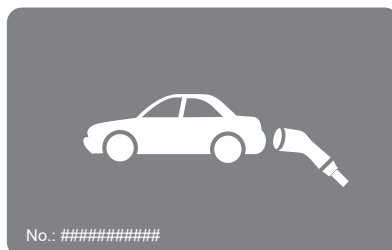


## SETUP THE RFID CARD FOR THE CUSTOMER

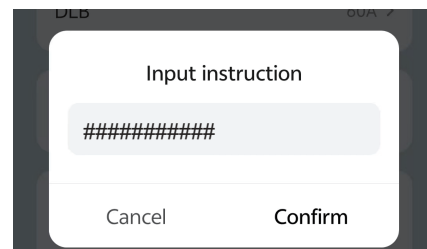
In the APP "**Setting**" interface, "**Input instruction**" option, enter the card No. on the front of the RFID card : **#####** , then "Confirm".

**Note:**Do not use any spaces.

Test it by plugging in the car and swiping the card. Charging should start. If you get 2 bees, then the number is wrong or there was as space between the full stop. Both supplied cards have the same number so you only need to do this once.



RFID card



Setting interface