Wall-Mounted EV AC Charging Station

User Manual

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Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 **Note**	Provides additional information to emphasize or supplement important points of the main text.
 **Caution**	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 **Danger**	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 Introduction

1.1 Introduction

The EV AC charging station (hereinafter referred to as "device") is a dedicated power supply device that provides AC power for electric vehicles with on-board chargers using charging mode 3 and connection method C.

The device can be installed in personal parking spaces for home use, providing daily charging services for electric vehicles that meet the requirements.

1.2 Overview

The device appearance is shown as below.

Note

The device appearance may vary with device model. The actual device shall prevail.

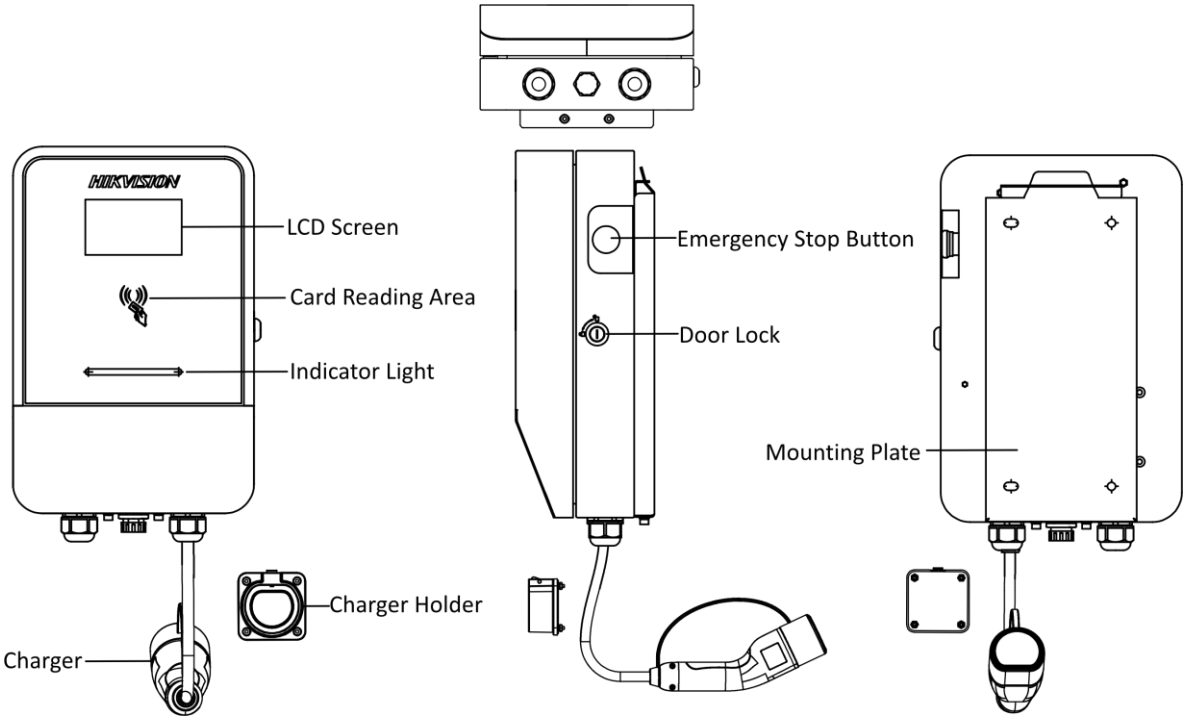


Figure 1-1 Device Appearance

Table 1-1 Appearance Description

Name	Description
LCD Screen	For displaying charging information.
Card Reading Area	Swipe card to start or stop charging in charging by card mode.
Indicator Light	● Solid blue indicates the device is idle. ● Solid green indicates charging is completed. ● Green breathing indicates the device is charging. ● Yellow breathing indicates the charger is plugged in but not charging. ● Purple breathing indicates reserved charging countdown. ● Red flashing indicates device failure.
Charger Holder	Used to hold the charger.
Mounting Plate	Used to fix the device to the wall.
Emergency Stop Button	Press the button to stop charging when an exception occurs. Rotate the button clockwise to restore the button.
Door Lock	Use the key to unlock the front door for wiring.

Chapter 2 Charging Operations

The device supports plug-and-charge, charging by card, and charging by app.

Note

The charging mode can be set from the HIKCHARGING app. See 3.3.1 Set Charging Information for detail.

Before you start

Ensure that the EV is parked in place, with the engine turned off and in the braking state.

2.1 Plug & Charge

In plug & charge mode, plug in the charger into the EV charging port, and the device will start charging automatically. The specific charging process and steps are as follows.

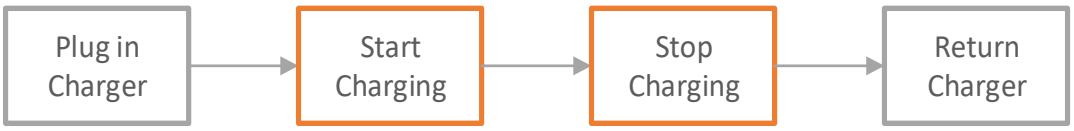


Figure 2-1 Plug & Charge Flowchart

Step 1 Plug in the charger into the EV charging port if the device is available.

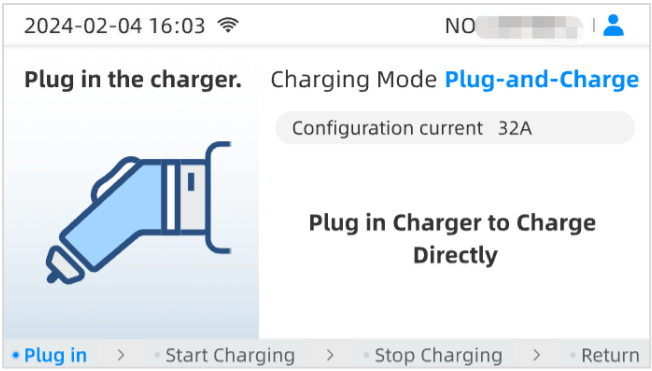


Figure 2-2 Plug in Charger

Note

If the device doesn't start after 90 seconds, unplug the charger and plug in again.

Step 2 The device starts charging automatically.

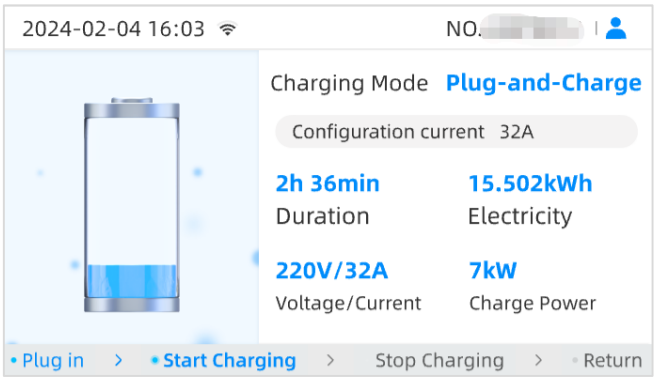


Figure 2-3 Start Charging

Step 3 To stop charging, press the unlock button on the EV remote key if available. The device stops charging automatically when fully charged.

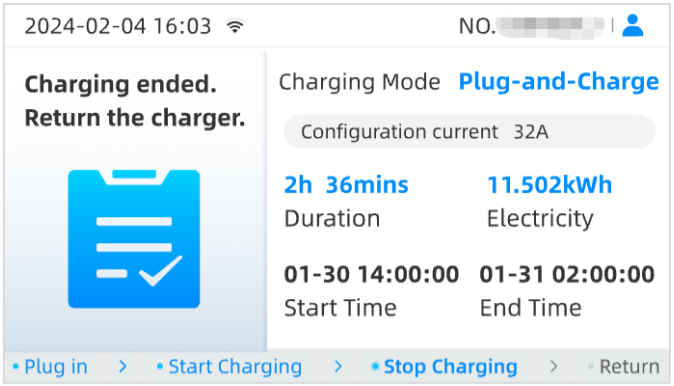


Figure 2-4 Stop Charging

Step 4 Use the car key or press the unlock button inside the vehicle to release the lock status, and then unplug it.

Step 5 Return the charger.

2.2 Charging by Card

You can swipe the RFID cards to start and stop charging. The specific charging process and steps are as follows.

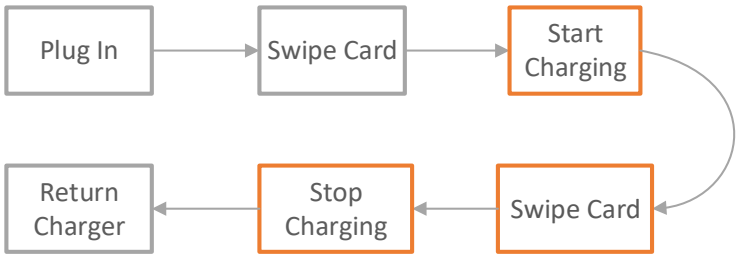


Figure 2-5 Swipe Card Flowchart

Before you start

The card No. has been added via the app. Refer to 3.2.2 Manage Cards for details.

Step 1 Plug in the charger into the EV charging port if the device is available.

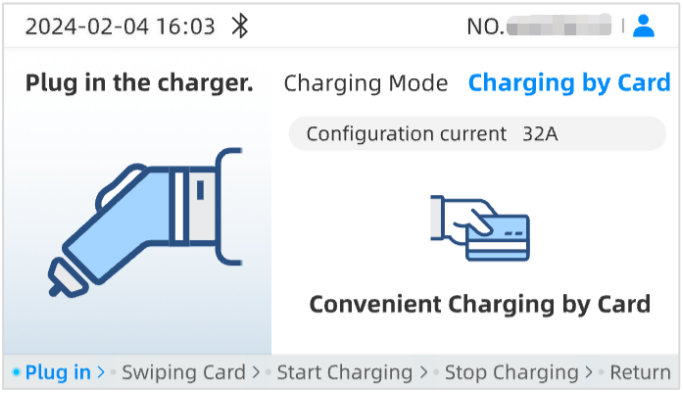


Figure 2-6 Plug in Charger

Step 2 Swipe the RFID card on the card reading area, and follow the instructions on the LCD screen to start charging.

Step 3 To stop charging, swipe the card again. The device stops charging automatically when fully charged.

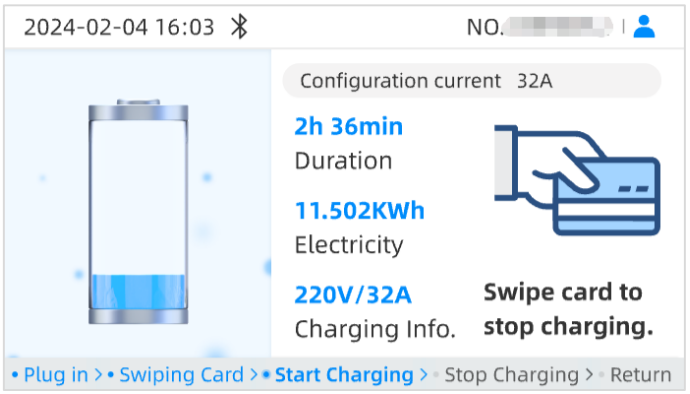


Figure 2-7 Start Charging

Step 4 Use the car key or press the unlock button inside the vehicle to release the lock status, and then unplug it.

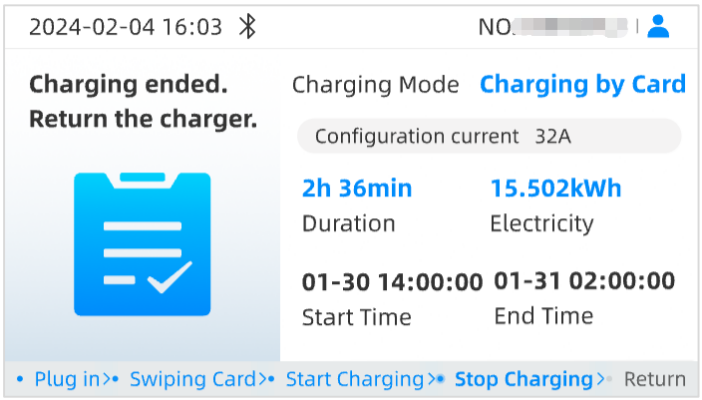


Figure 2-8 Stop Charging

Step 5 Return the charger.

2.3 Charging by App

You can use the HIKCHARGING app to control the charging operations.

Before you start

Download the app and add the device to the app. Refer to Chapter 3 App Operations for details.

Step 1 Plug in the charger into the EV charging port if the device is available.

Step 2 In plug-and-charge mode, the device starts charging automatically.

In charging by card mode, tap ***Start Charging*** or swipe the card to start charging.

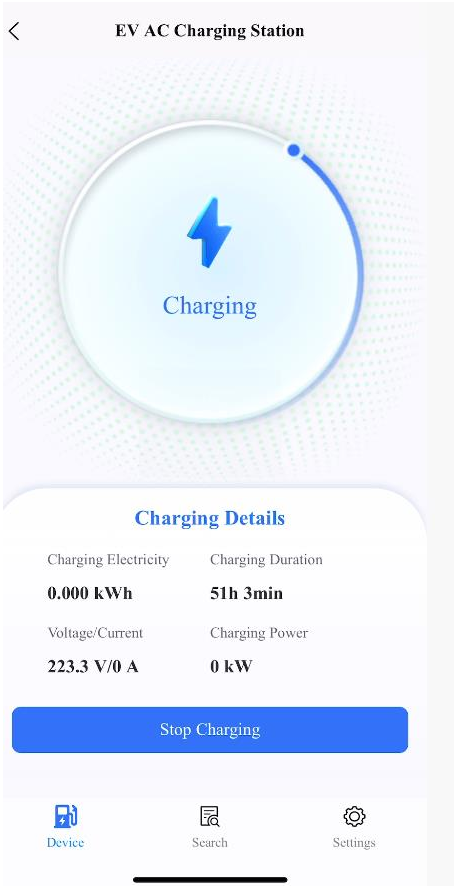


Figure 2-9 Start Charging

Note

If you want to reserve charging, please refer to 3.4 Reserve Charging.

Step 3 To stop charging, tap ***Stop Charging***. The device stops charging automatically when fully charged.

Step 4 Use the car key or press the unlock button inside the vehicle to release the lock status, and then unplug it.

Step 5 Return the charger.

Chapter 3 App Operations

Download the HIKCHARING app to control the charging process, view the device information, reserve charging, and set the charging parameters.

3.1 Download App

Choose one way to download the HIKCHARGING app for configuration.

- Method 1:
  Scan the QR code below to download and install the app.

Figure 3-1 iOS QR Code

Figure 3-2 Android QR Code

- Method 2:
  - For iOS system, search **HIKCHARGING** on the App Store to download the app.
  - For Android system, search the app from the Google Play Store to download it.

3.2 Add Device

Before you start
Allow the app to access the location and Bluetooth function.

Step 1 Open the app, and tap ***Add Device***.

Step 2 Place your phone as close as possible to the device, and select the corresponding serial No. of the device from the **Available Device(s)** list.

Note

- You can find the device serial No. from the device body.
- If the device is not found, disable Bluetooth on your phone and then enable it to try again.

Step 3 Set the password, and confirm it. The password is used for device Bluetooth connection.

Note

- Password should contain 8 to 16 characters, including at least 2 of the following categories: digits, uppercase letters, lowercase letters, and special characters.
- Do not contain 4 consecutive digits in ascending or descending order, or 4 consecutive repeated characters.
- Do not contain the following characters in the password (whole word matched, with no letters before and after the word, and case insensitive): hik, hkws, or hikvision.
- Do not use common risky passwords (such as 1qaz2wsx, p@ssword).

Step 4 Tap ***Connect***.

Step 5 (Optional) To remove the device, go to ***Settings*** → ***Reset Device***, and enter the device password to remove and reset the device.

What to do next

Tap the charging station icon to enter the device home page.

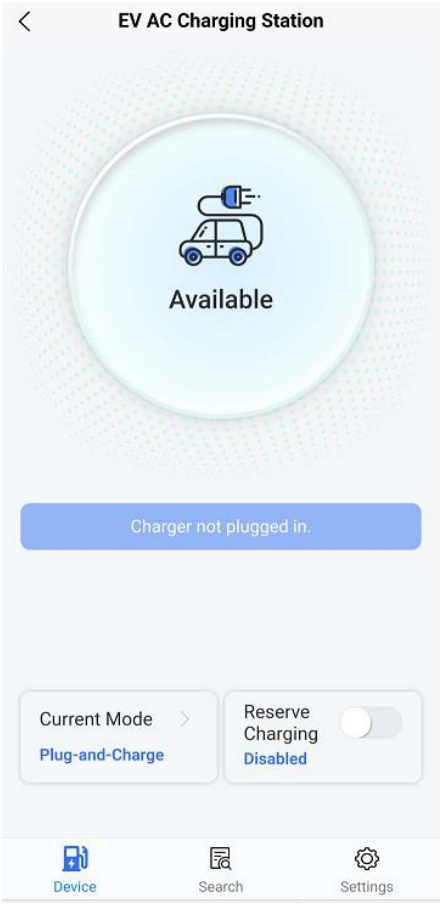


Figure 3-3 Device Home Page

3.3 Set Device

Tap ***Settings*** to set work mode, add cards, set charging mode and charging current, and perform device upgrades, etc.

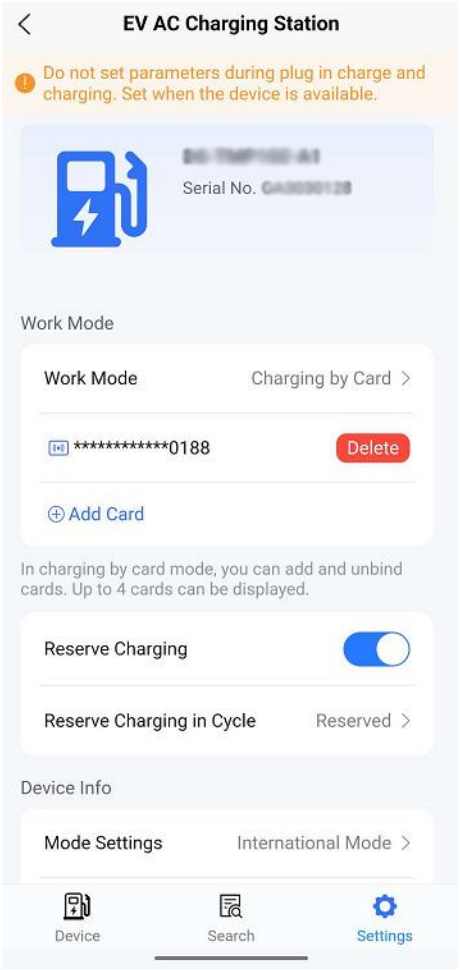


Figure 3-4 Set Device

Note

Set parameters when the device is idle.

3.3.1 Set Charging Information

Step 1 Tap ***Work Mode*** to select the charging mode as needed.

- Plug-and-Charge: Plug in the charger, and the device will start charging automatically.
- Charging by Card: Plug in the charger, and swipe the added card or tap ***Start Charging*** to start charging.

Step 2 It is recommended to set **Mode Settings** to ***Compatible Mode*** to fit more EV models.

Step 3 Set the charging current according to actual requirements.

Note

The valid charging current range is 6 to 32 A.

3.3.2 Manage Cards

In charging by card mode, you can add card No. to the device, and delete the card No.

Step 1 Tap ***Add Card***.

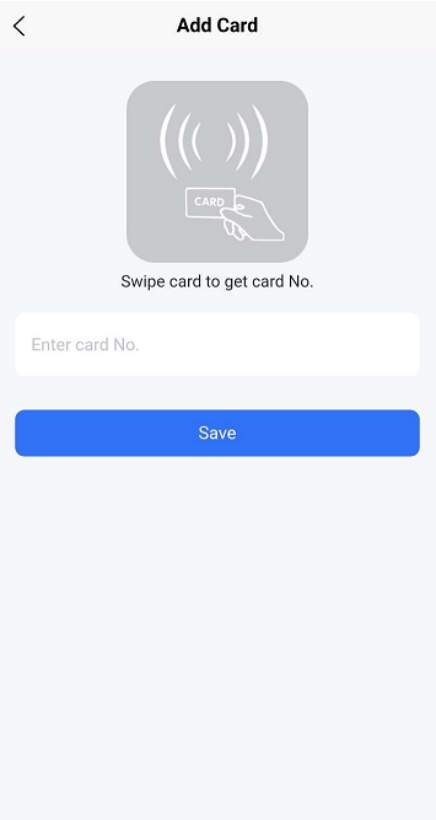


Figure 3-5 Add Card

Step 2 Swipe the card on the device side to get the card No. or enter it manually.

Step 3 Tap ***Save***.

Note

Up to 10 cards can be added, and up to 4 cards can be displayed.

Step 4 (Optional) To delete the card, tap ***Delete*** behind the card No. to delete the card.

3.3.3 Change Password

It is recommended to regularly change passwords to ensure security.

Step 1 Tap ***Password***.

Step 2 Enter a new password, and confirm the password.

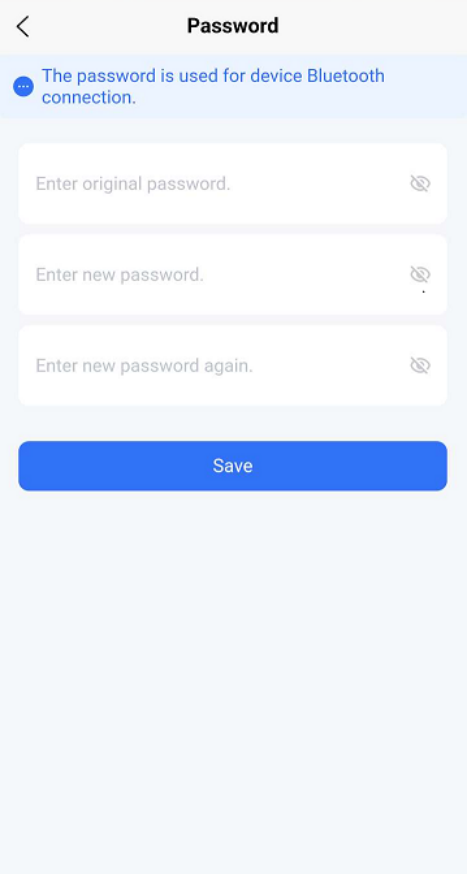


Figure 3-6 Change Password

Step 3 Tap ***Save***.

3.3.4 Set Fault Information

In compatible mode, you can tap ***Fault Information*** to view fault detection settings. All are enabled by default. If unchecked, the device will not detect that fault.

Note

Viewing or modifying fault settings is only available in Compatible Mode.

Caution

Do not modify fault settings to avoid charging risks. Contact our technical support for security settings if necessary.

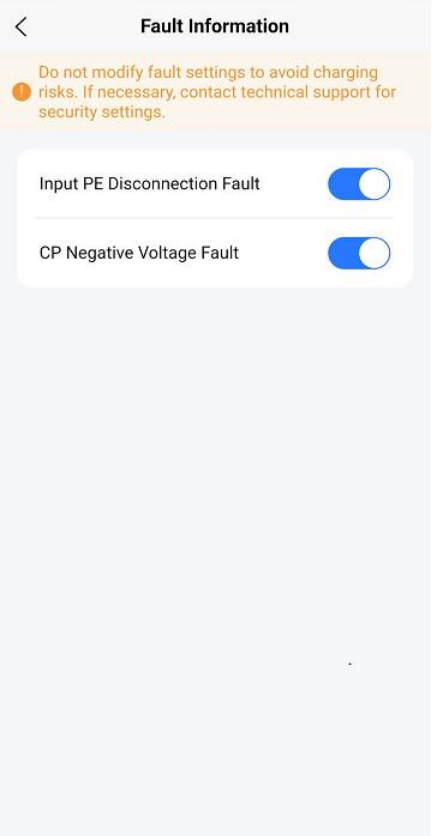


Figure 3-7 View Fault Information

3.3.5 Set Language

Tap ***Settings*** → ***Device Language*** to set the device language. Now 8 languages are supported.

3.3.6 Upgrade

View TCU and screen version No., and upgrade them if needed.

Step 1 Tap ***System Information***.

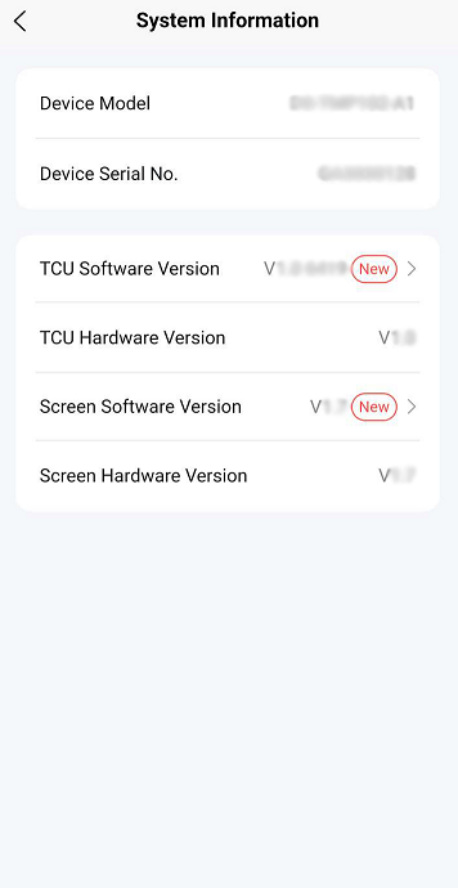


Figure 3-8 Upgrade

Step 2 (Optional) View the device model, device serial No., and software/hardware versions.

Step 3 If **New** is displayed, it indicates that a new version is available, and you can tap to upgrade it.

Step 4 Tap ***Upgrade to Latest Version***.

Note

- Do not leave the upgrade page and keep the screen on.
- The upgrade will take about 30 minutes. After the upgrade is completed, the device will restart automatically.

3.4 Reserve Charging

You can reserve charging immediately or reserve charging in cycle.

Note

- Please complete reservation before you plug in the charger.
- In case of a conflict between Reserve Now and Reserve in Cycle, the Reserve Now setting takes precedence.
- If a charging reservation has been set but an immediate charging command is issued, the reservation will not take effect, and the latest command will be applied.

3.4.1 Reserve Now

Step 1 Tap ***Settings***, and enable ***Reserve Charging***.

Step 2 Tap ***Device*** → ***Reserve Now***.

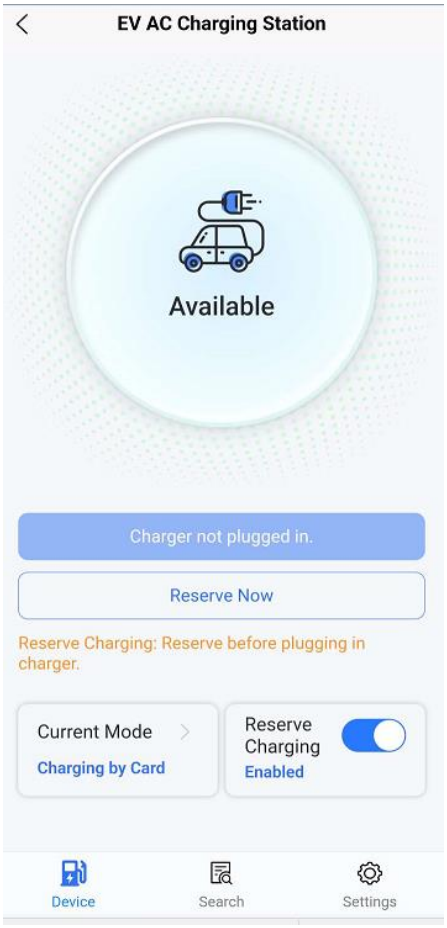


Figure 3-9 Reserve Now

Step 3 Set the charging start time and end time, and tap ***Set***.

Step 4 Plug in the charger into the EV's charging port.

Step 5 (Optional) To cancel the reservation, tap ***Cancel Reservation***. If the charger in has been plugged in, the device will start charging immediately.

Result

The device will start charging automatically when the set time is reached.

3.4.2 Reserve in Cycle

If the charging time is relatively fixed, you can reserve charging in cycle.

Step 1 Tap ***Settings*** → ***Reserve Charging in Cycle***.

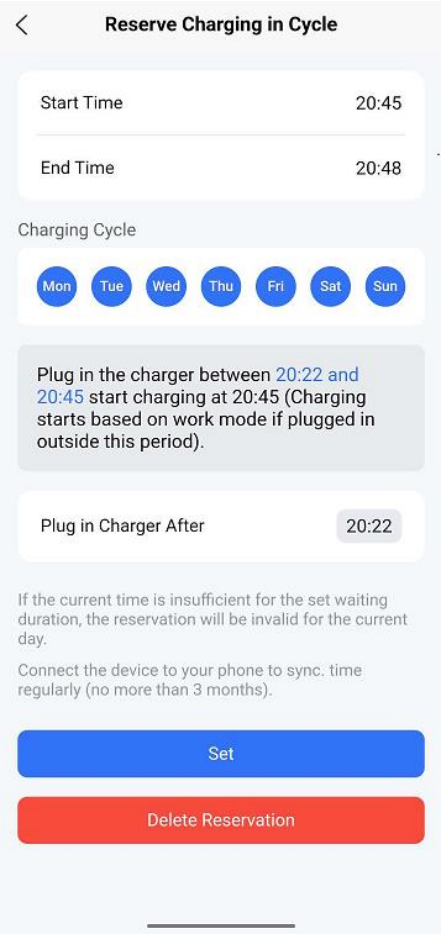


Figure 3-10 Reserve in Cycle

Step 2 Set the relevant parameters.

1. Set the start time and end time. The device will start or stop charging when the set time is reached.
2. Select the charging cycle. The device will enable reservation charging when the set date is reached. All are selected by default.
3. Set **Plug in Charger After** to avoid charging immediately in plug & charge mode, and plug the charger according to the prompt on the screen.

Note

- Plug in charger after the set time and before the set charging start time. Otherwise, the reservation is invalid for the current day.
- Connect the device to your phone to sync. time regularly.

Step 3 Tap ***Set*** to save the settings.

Step 4 (Optional) To delete the cycle reservation, tap ***Delete Reservation***.

Step 5 Plug in the charger into the EV's charging port.

Result
The device will start charging automatically when the set charging time and cycle are reached.

3.5 View History Information

In the **Search** page, tap ***Charging History*** to view all charging records, including charging time, charging electricity, and order No.

Tap ***Fault Information*** to view the latest 5 fault records.



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