



Evchargeo

User Manual

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1. Introduction

Evcharge is an application enabling you:

- Integrate your car and see the state of charge point when charging.
- Connect your home charge point and share it with friends and family.
- Reduce costs and environmental impact with our intelligent charging functionality.
- Find the public charge points.

2. Purpose of the Manual

This user manual provides detailed instructions on how to use the Evcharge App to find, reserve, and manage charge points for your electric vehicle (EV). It aims to help users navigate through the app's features effectively and make the most of their charging experience.

3. System Requirements

To use the Evcharge App, ensure that you have a compatible smartphone or tablet running the latest version of iOS or Android.

4. Installation

Download and install the Evcharge App from the official app store for your device (e.g., Apple App Store or Google Play Store). Or you also can use your mobile browser to scan the QR code below and download the App.



Figure 1 - QR code for download

5. Getting started

5.1 Account Creation

To use Evcharge, you need to create an account. Launch the app and follow the on-screen instructions to register by providing your email address, creating a password, and agreeing to the terms of service.

5.2 Login

Once you have an account, use your registered email and password to log into the app.



If you have a Chargein App account, you can also use this account to log in to Evcharge, but you will be prompted to bind your email address, and the data in your Chargein App will be synchronized to Evcharge.

6. Select Scenario

Based on your role, Evcharge offers two scenarios for you to use the charging service: if you have your own home charge point, click on the Charge Point icon, and if you want to find a public charge point to charge your car, click on the Map icon, as shown in Figure 2- Select Scenario.

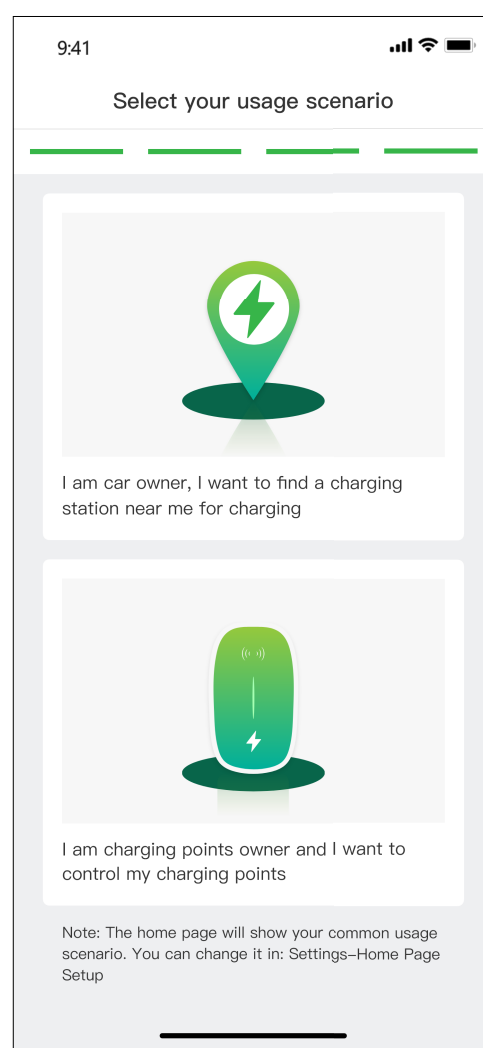


Figure 2 - Select Scenario

6.1 For the scenario you have your own charge point

For the scenario you have your own home charge point, before you initiate a charging session using Evcharge, you are required to make some configurations first, please follow the following steps to complete the configuration:

Step 1: Enable permissions

You will be preseted with a page where you can allow Bluetooth, Wi-Fi, and location permissions, as shown on Figure 3 - Permission.

Step 2: Select the brand of charger point

Select your charge point's brand, as shown in Figure 4 - Select brand.

Step 3: Bind the charge point

There are three ways to bind the charge point, as shown in Figure 5 - Add a charge point.

- **Scan the QR code:** Scan the QR code on the charge point.
- **Add a charge point manually:** Enter the ID of the charge point.
- **Check for nearby charger point:** Check the available charge points nearby, and choose the ID of the charge point you want to bind to.

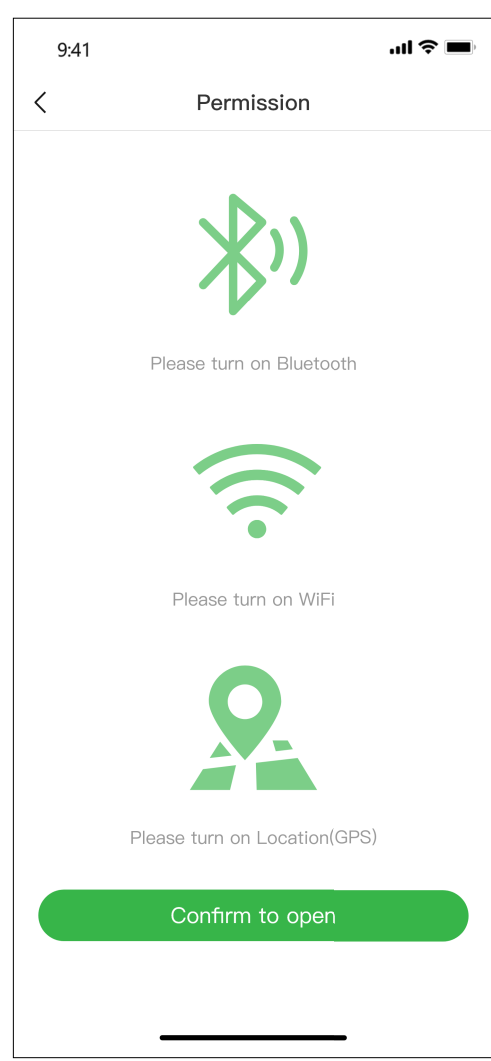


Figure 3 - Permission

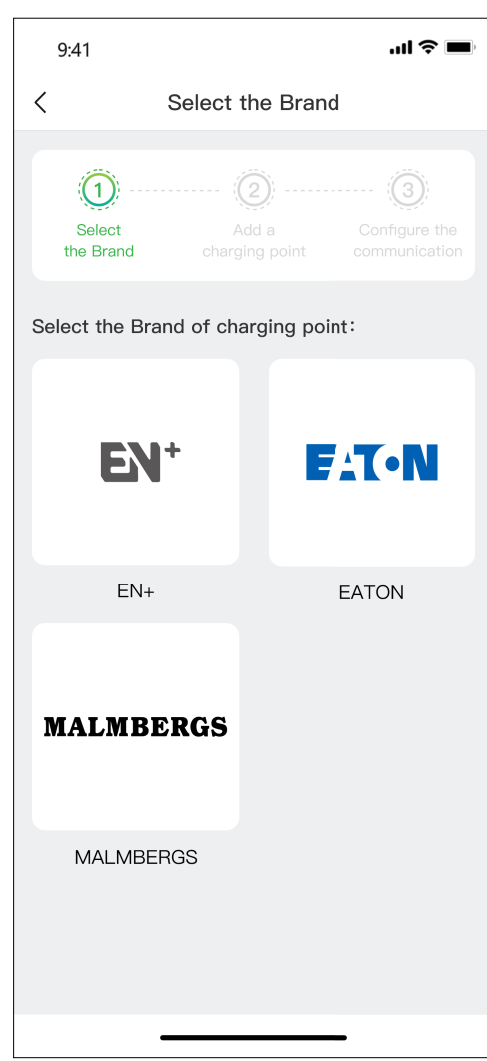


Figure 4 - Select brand

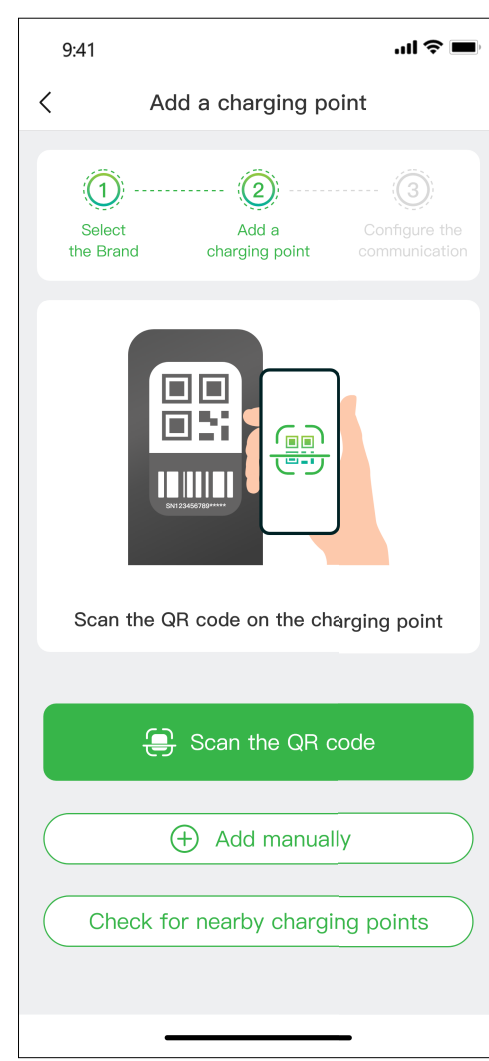


Figure 5 - Add a charge point

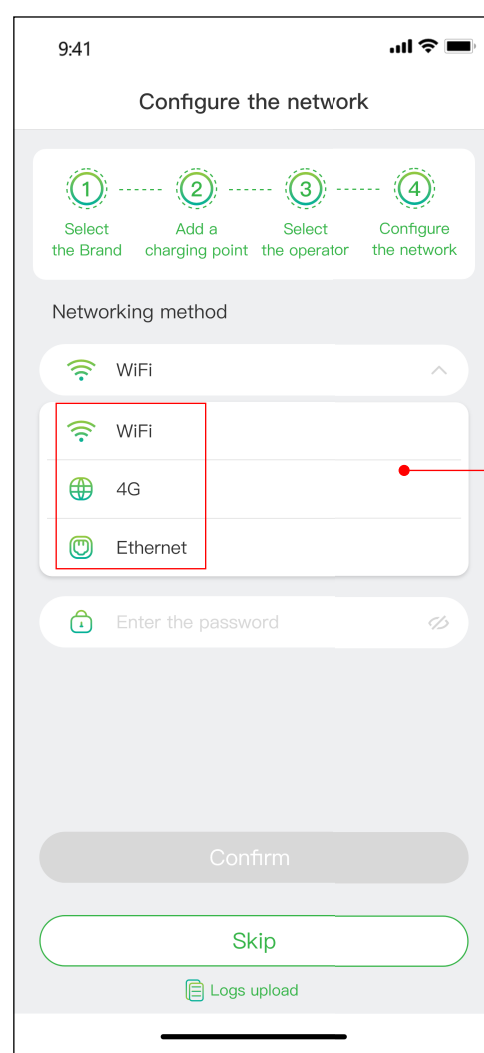
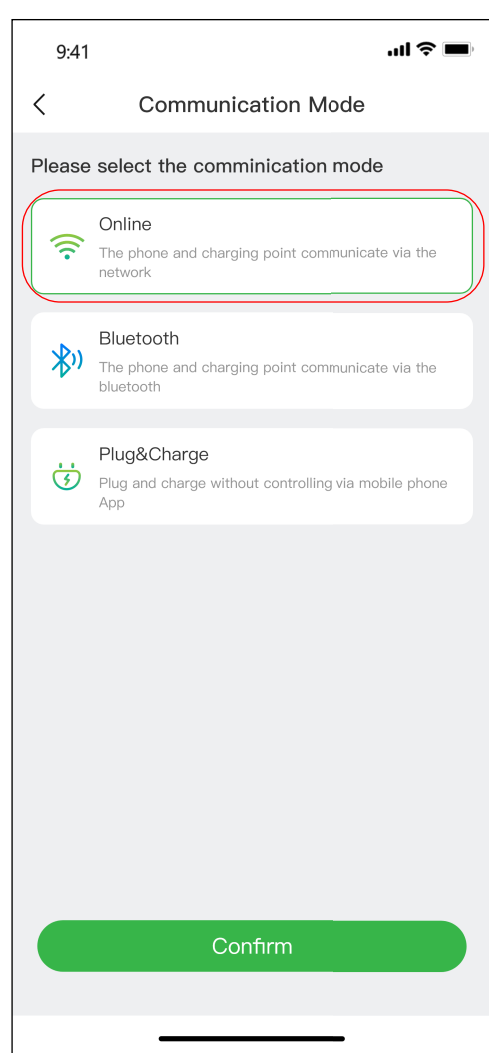
Step 4: Select operator

Select the Operator from the list; the operator is the one from whom you purchased your charging point.

Step 5: Select the communication mode

To establish a communication for your charge point, there are three communication modes for you to select:

Online mode: In this mode, you need to select a network method, as shown below:



The available networking method may vary depending on the configuration of your charge point.

Figure 6 - Online mode

Bluetooth mode: To connect your charge point to your mobile device via Bluetooth.

Plug & Charge mode: Select this mode, and you can get your car charged by simply plugging the connector into your car.

6.1.1 Charging Process

There are three ways for you to charge your car:

- Charging via Network
- Charging Via a RFID card
- Plug & Charge.

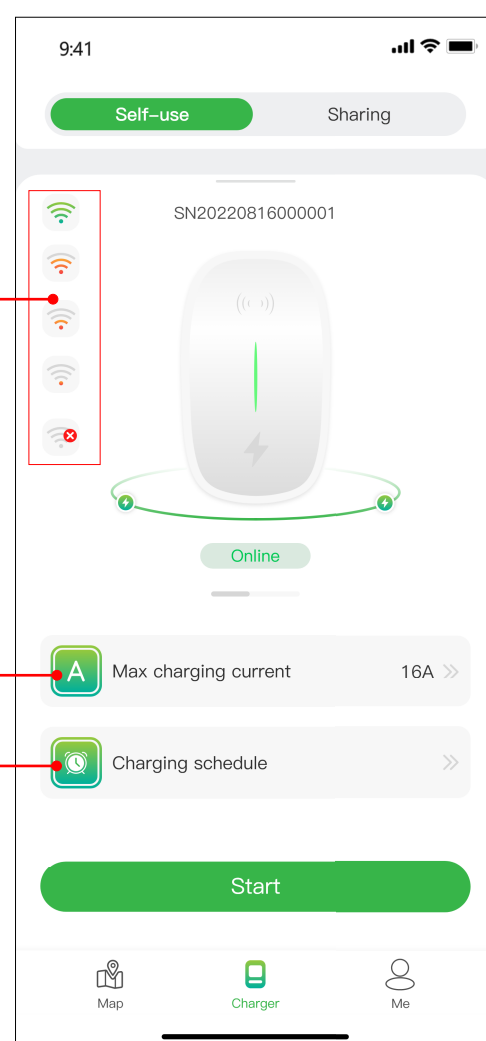
Charging via network

When you select Charging via network, please refer to the above Online Mode, and make sure you have completed the network configuration.

You can directly start the charging session, or you also can customize the charging by setting the maximum current and the charging schedule when you reach the page as shown in Figure 7 - Charging via network.

Here is the signal strength of the Wi-Fi. Where Wi-Fi will be used the chargepoint must be in range of a wireless access point and the signal must be strong and stable at the charge point. Users may need to consider an external antenna and/or booster to their Wi-Fi system to reach remote charge points.

Set the current at a gradient of 1A. Set the time period you want to charge your car, then the charging session will start and end at the set time.



If the signal strength of Wi-Fi is poor, you will be prompted with the tip to change to Bluetooth mode.

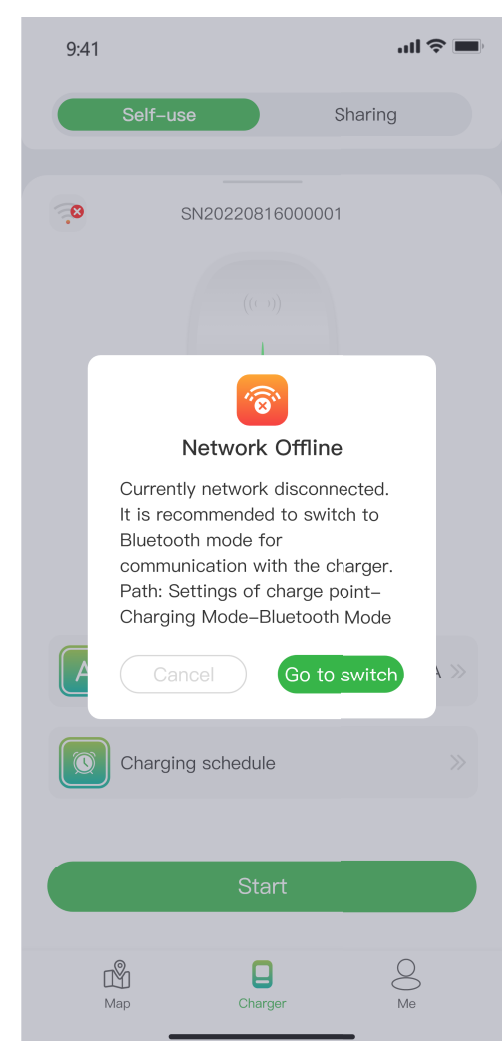


Figure 7 - Charging via network



The purpose for setting the maximum charging current is to ensure the household electricity consumption, for example, if the current threshold for tripping in your home is 50A and the household appliances have consumed 30A, you must ensure that the output current for the charge point falls within 20A to avoid tripping.

Sometimes the status of the charge point and its network states may not be up to date, you need to refresh the status by slightly pulling down the page.

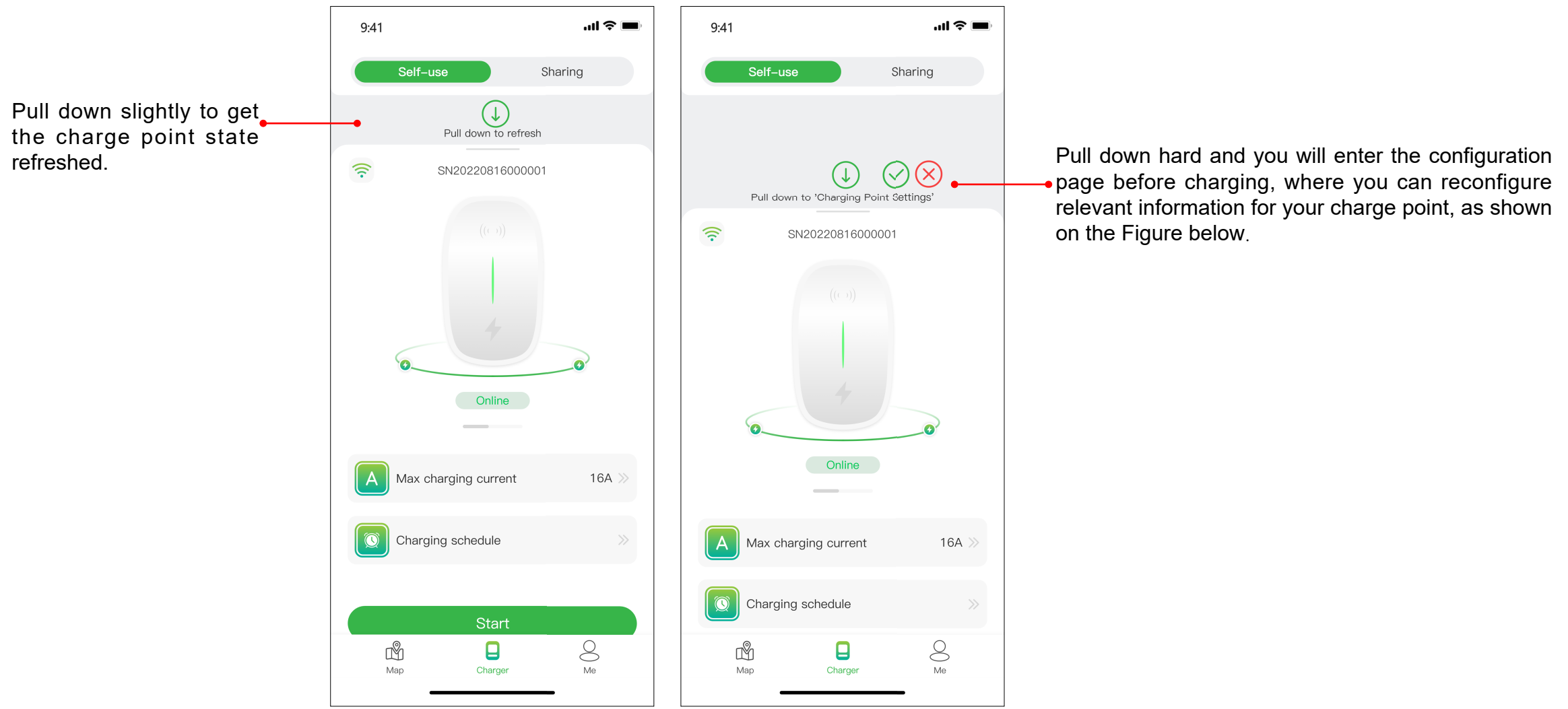


Figure 8 - Pull down page

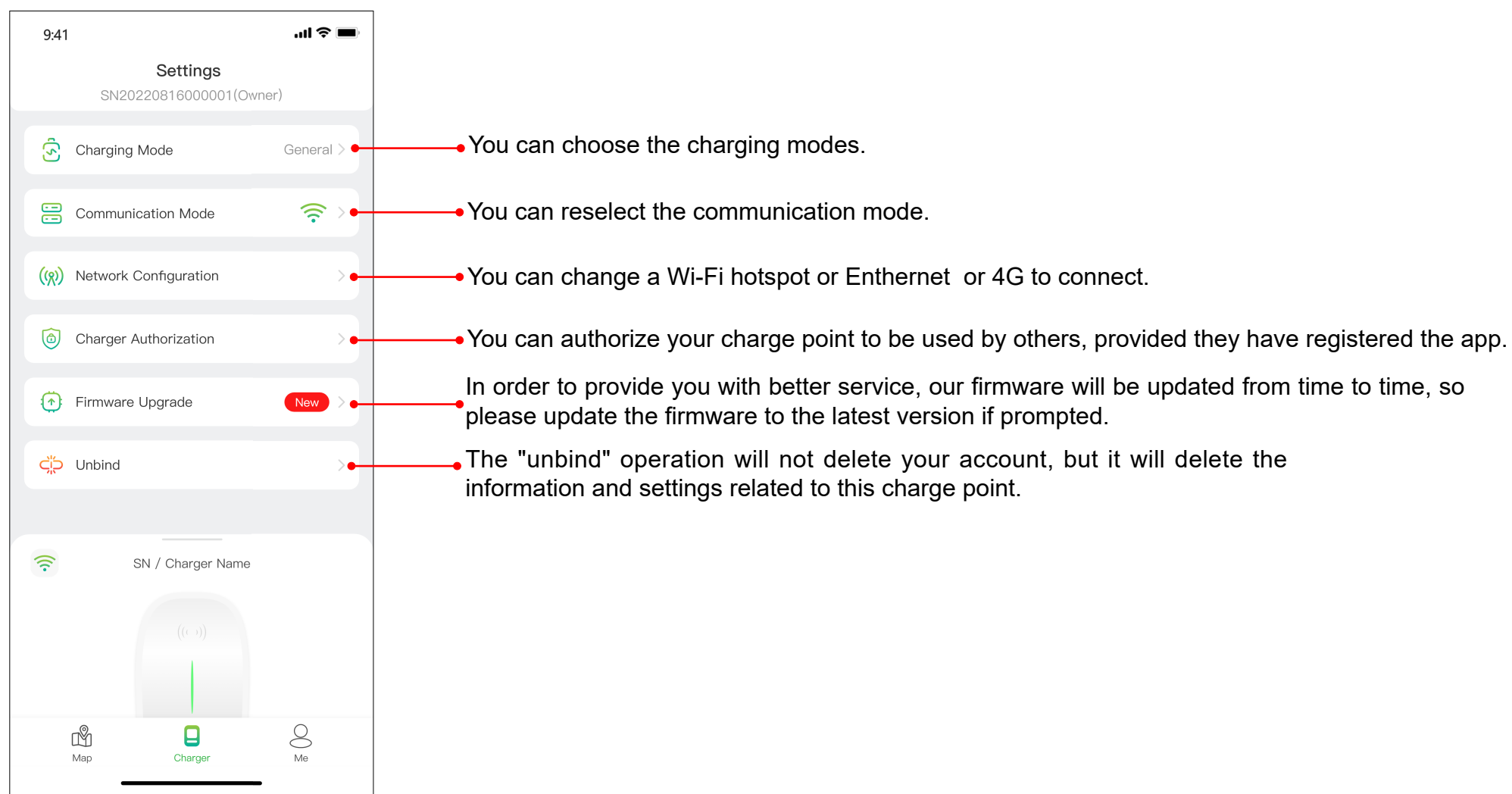


Figure 9 - Charging setting



The Charging Mode and the networking method in Network Configuration may vary depending on the functional configuration of your charge point.

Note:

The Charging Mode includes General mode, ECO mode, Mix Mode and Load balance mode.

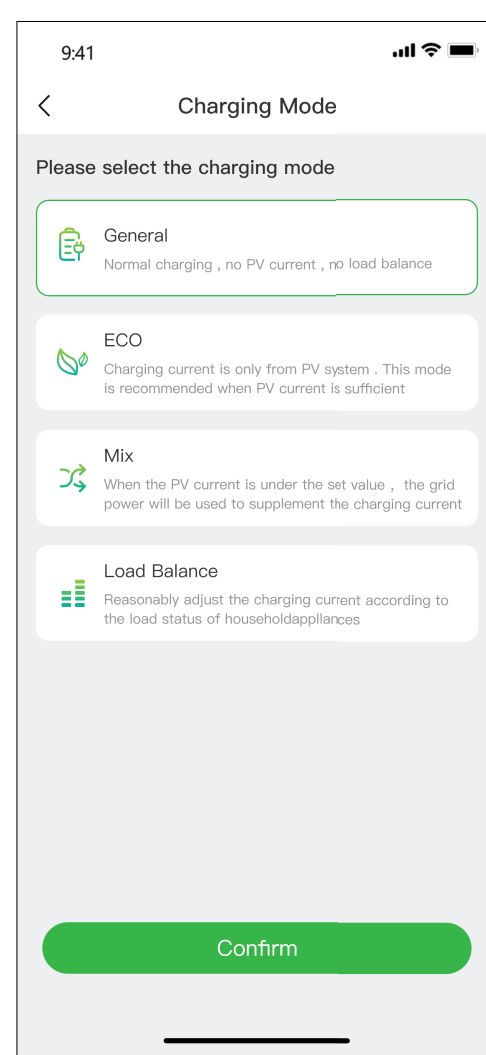


Figure 10 - Charging mode

ECO mode: It's a way to charge your car with solar energy, allowing you to travel truly economically and carbon-free. When the photovoltaic current is sufficient, you can use this mode to charge your car.

Mix mode: it's way to charge your car by combining photovoltaic current and grid. If the photovoltaic current is lower than the set value then the car will be charged by the grid.

Load balance mode: it's a way to ensure the household electricity consumption first and avoid tripping.

This mode requires to equipped with a smart or CT or both of them to monitoring the current.

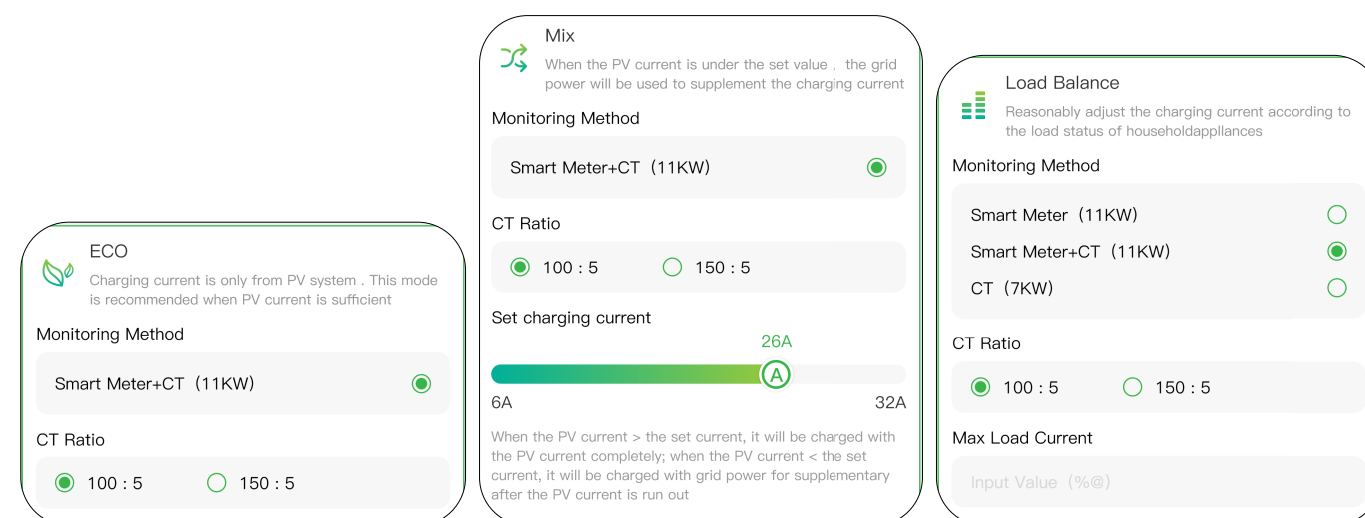


Figure 11- Charging mode selection



The mix mode and load balance mode require to equipped with a smart or CT or both of them to monitoring the current.

Clicking on the **Start** button, and the charging session will begin after the charge point responds successfully. As shown below, you can view the charging information, including charging speed, charging time, voltage, current and power on the App, and you also can click on the **Stop Charging** button to terminate the charging session.

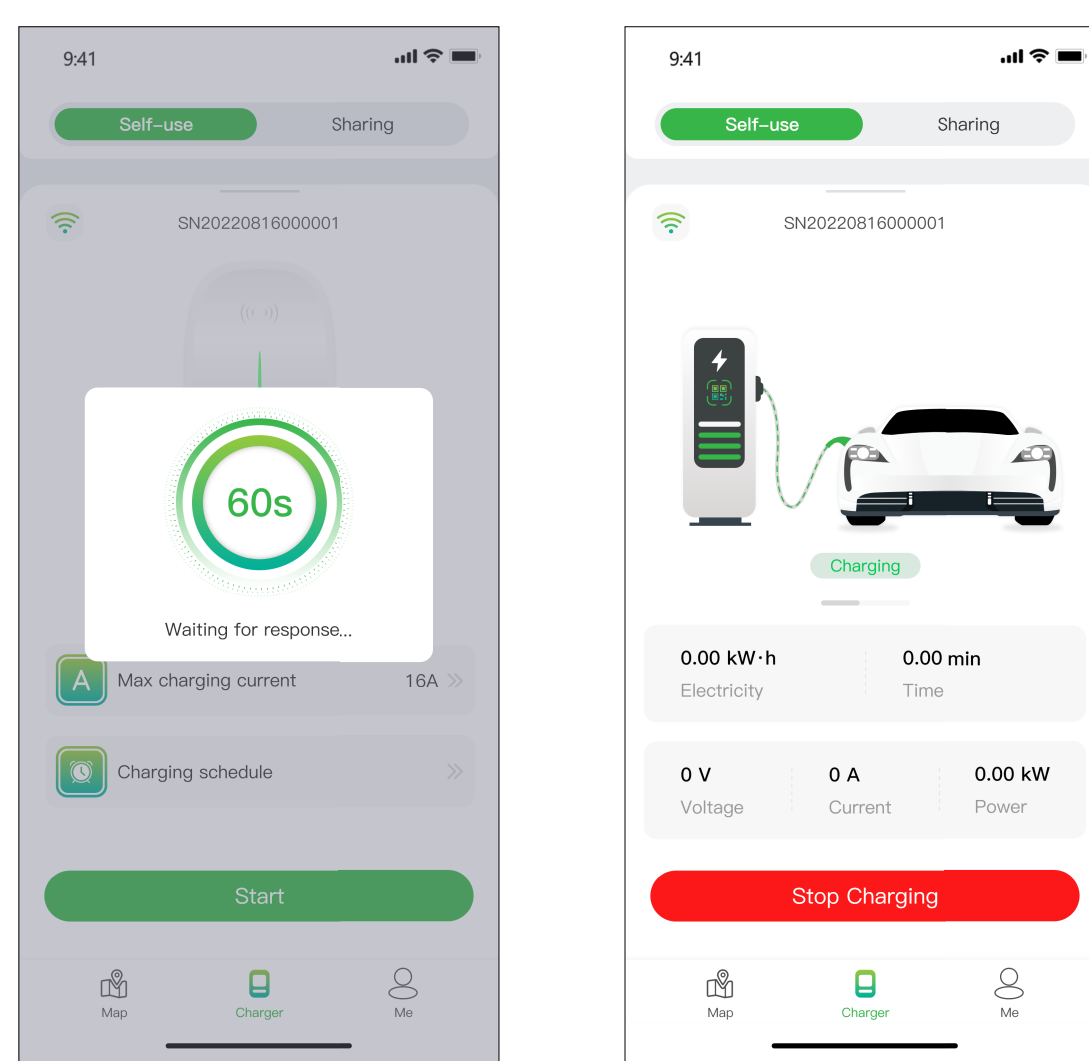


Figure 12 - Charging

Charging via a RFID card

Before you charge your car, you need to add a RFID card first.

Click **Me > Card Management > Add a card** to add a RFID card for your charge point.

After plugging the connector into the car, you can use the card to start and end the charging session by touching the sensor area of the charge point.

Plug & Charge

You need to switch the communication mode to plug & charge by pulling down the charging page hard, then just plug the connector into the car and the charging session begins.

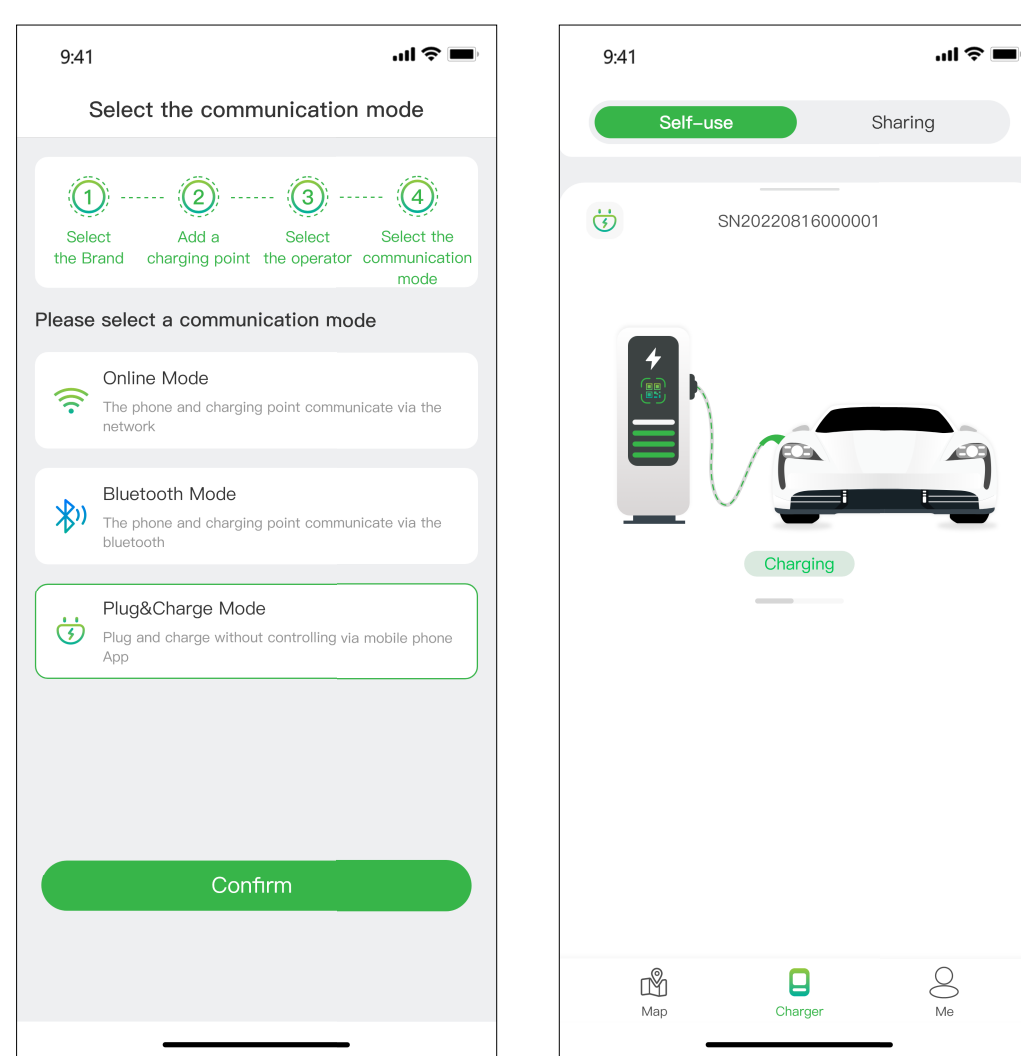


Figure 13 - Plug & charge

6.1.2 Authorize your charge point to be used by others

By way of authorization, Evcharge provides two ways for you and your family and friends to share charge points: Authorize by binding email and authorize by RFID card.

Authorize by binding email

Before using this function, please make sure that the authorized users have downloaded and registered Evcharge. Pull down hard the on the charging page to enter the setting page, select charge point authorization to add authorized users.

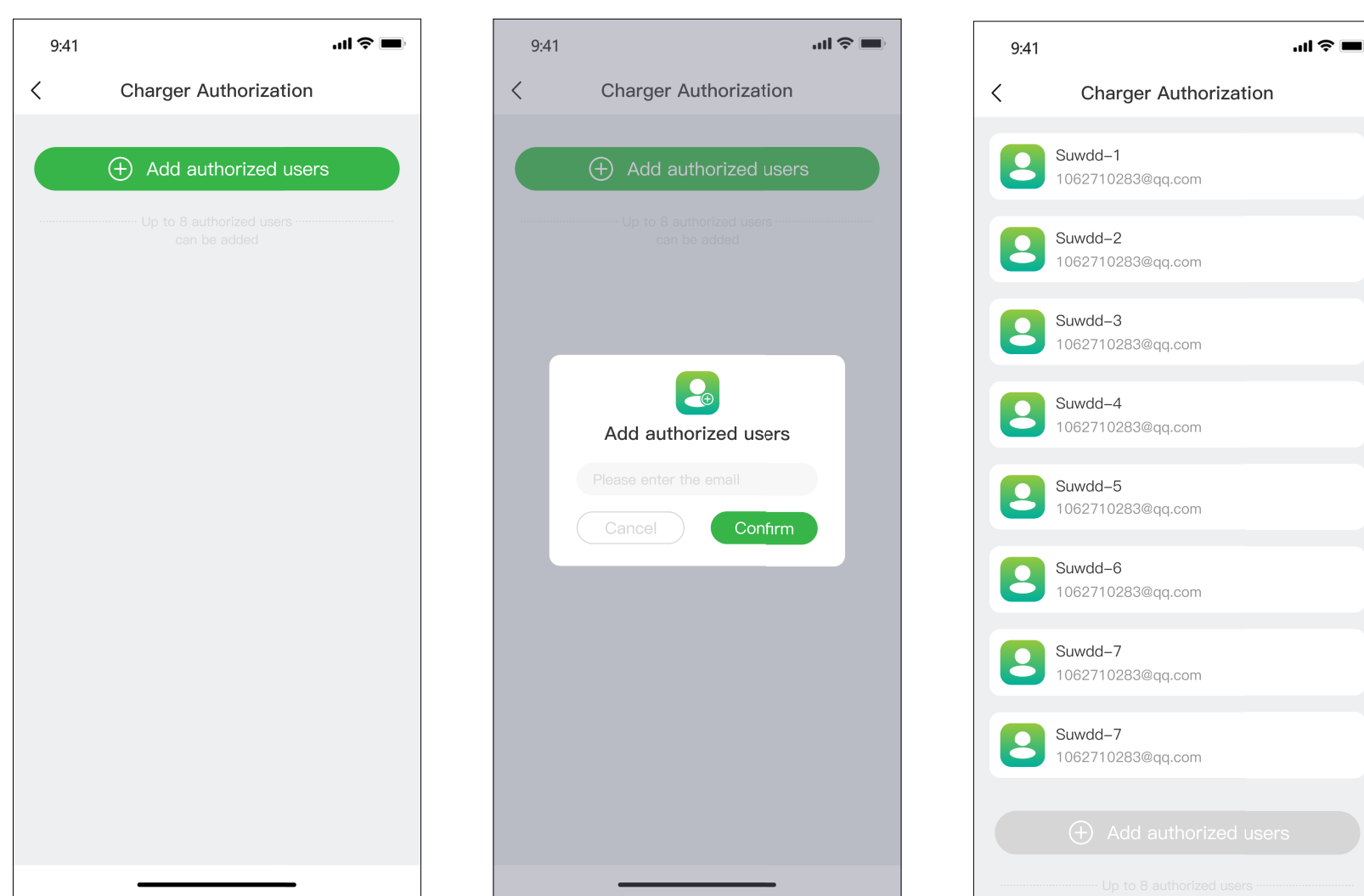


Figure 14 - Authorize by email



You can authorize up to eight users

Authorize by RFID card

Before using this function, please make sure that the authorized users have downloaded and registered Evcharge, and have added the RFID card, you need get the data of the authorized user synchronized to your charge point, and he/she can share the charge point with you.

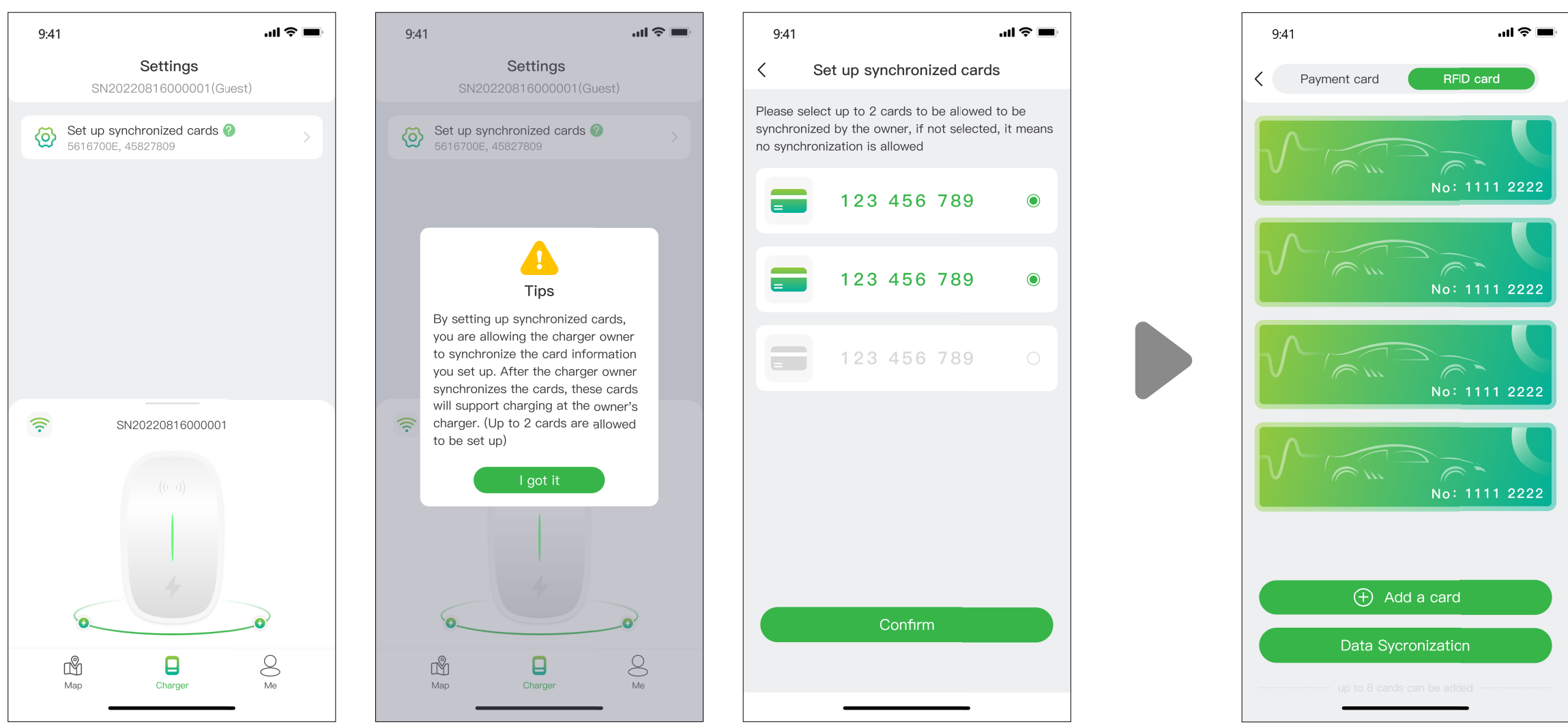


Figure 15 - Authorized user pages (left three) Charge point owner page (right)

6.2 For the scenario you are the car owner

6.2.1 Finding charge point

Map view

Tap on the "Map" icon to access the map view. The map displays charge points in your vicinity. You can zoom in/out and pan the map to explore different areas. Charging points are indicated by icons, and their details can be viewed by tapping on them.

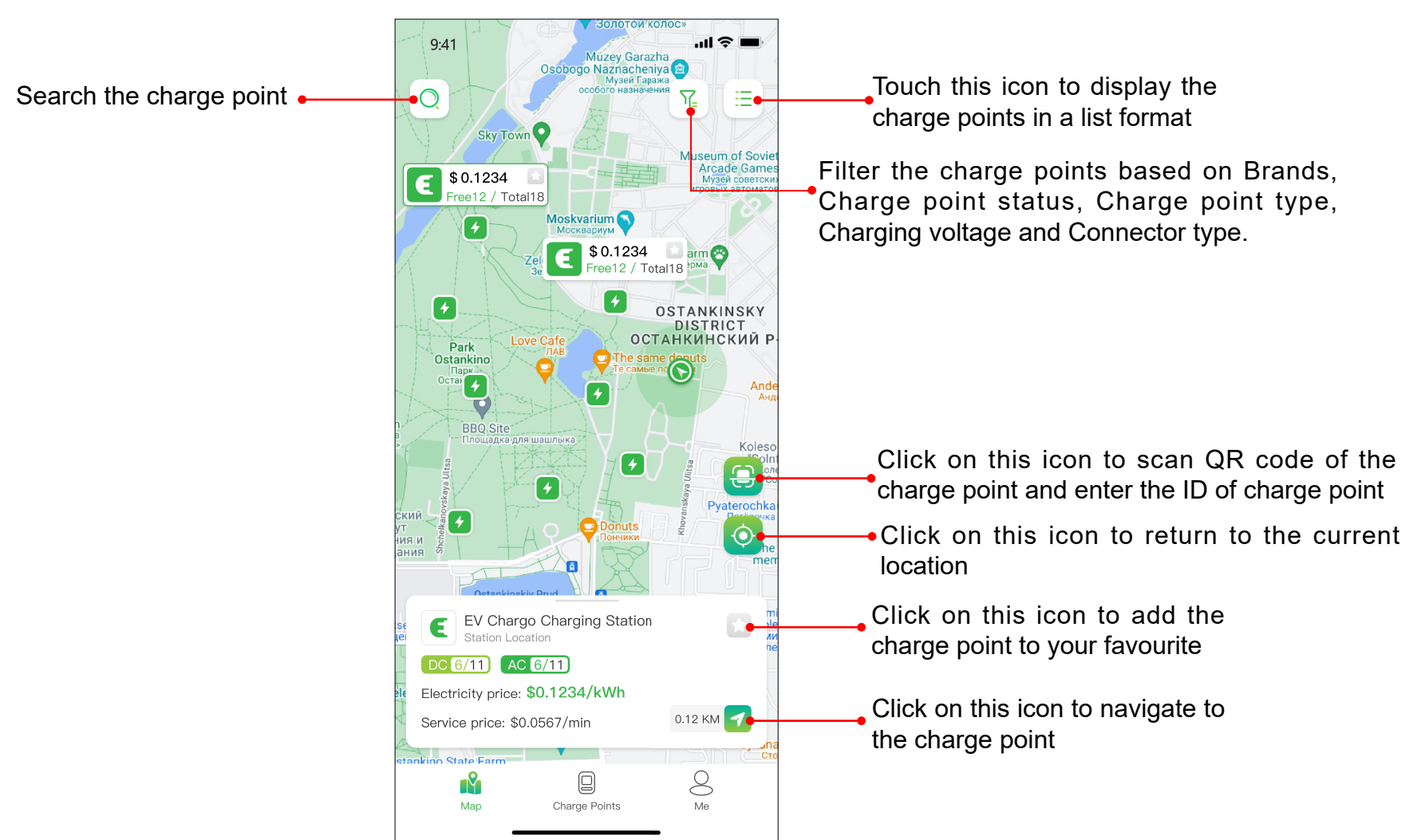


Figure 16 - Map view

List view

To view charge points in a list format, tap on the icon. This provides a sortable list of charge points based on distance, availability, or other filters. Tap icon to return to the Map view.

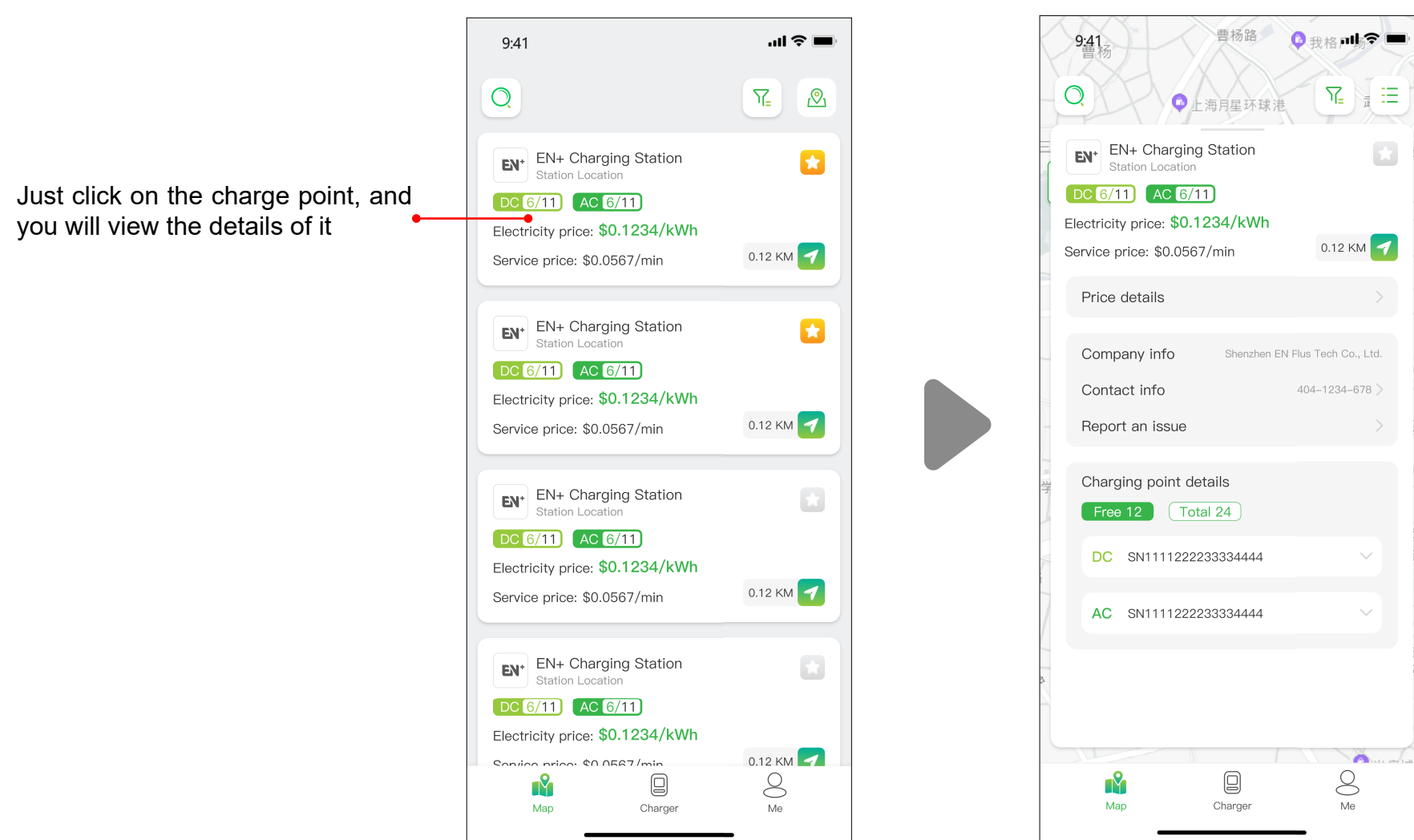


Figure 17 - List view

Filter and search

Use the filter option to narrow down charge point results based on criteria such as connector type, brands and charge point type, etc. The search function allows you to find specific charge points or locations.

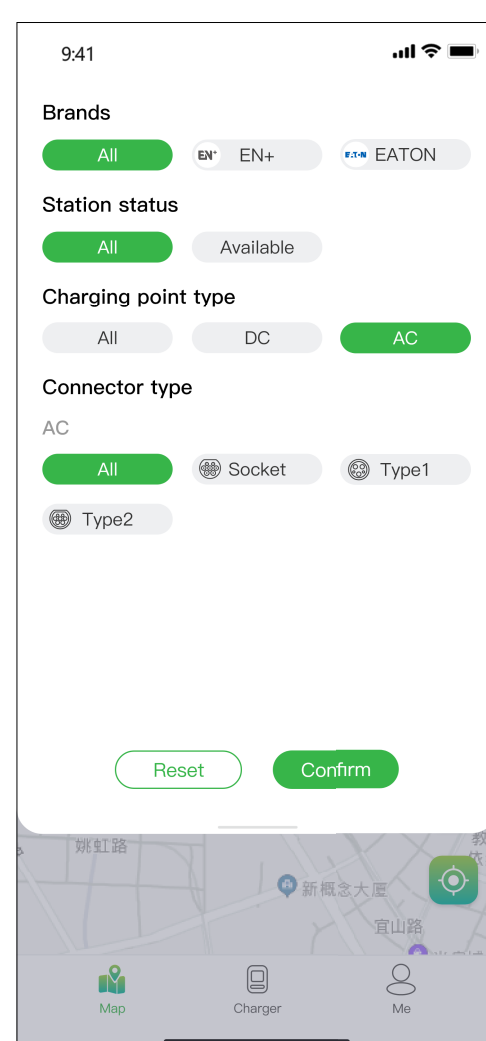


Figure 18 - Filter and search

6.2.2 Charging process

After you get to the charge point, and start the charging session, you will see the page as shown below:

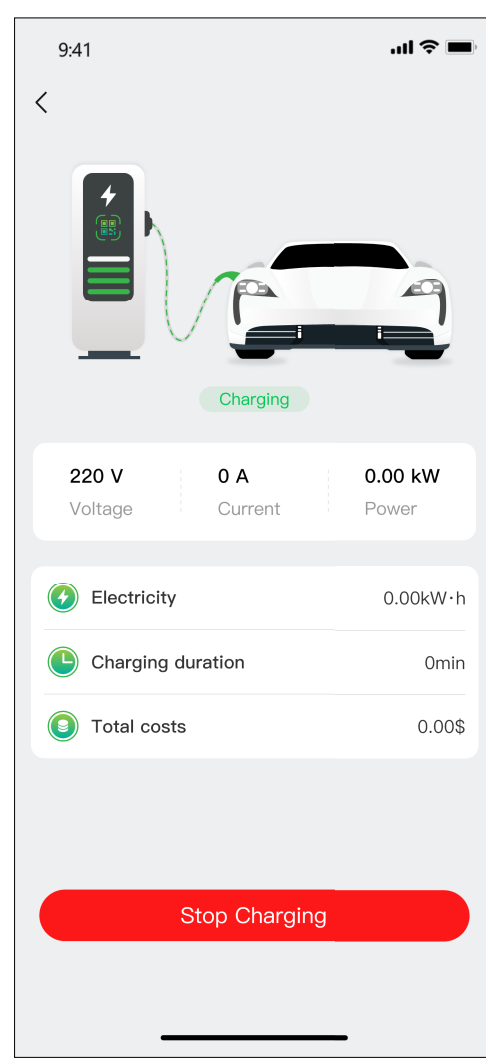


Figure 19 - Charging

7. Payment options

So far, Evcharge has two payment methods: pay the bill directly with a bank card after the charging session ends, or pay the bill by authorizing a specific amount to the bank, and the charged amount will be immediately debited after the charging session concludes.



The payment methods may vary depending on the Operator.

Before paying the bill, you need to add a bank card, the payment will be made via the third-party platform Stripe. Click on the Pay button and you will be prompted with the page to add your bank card information, as shown below:

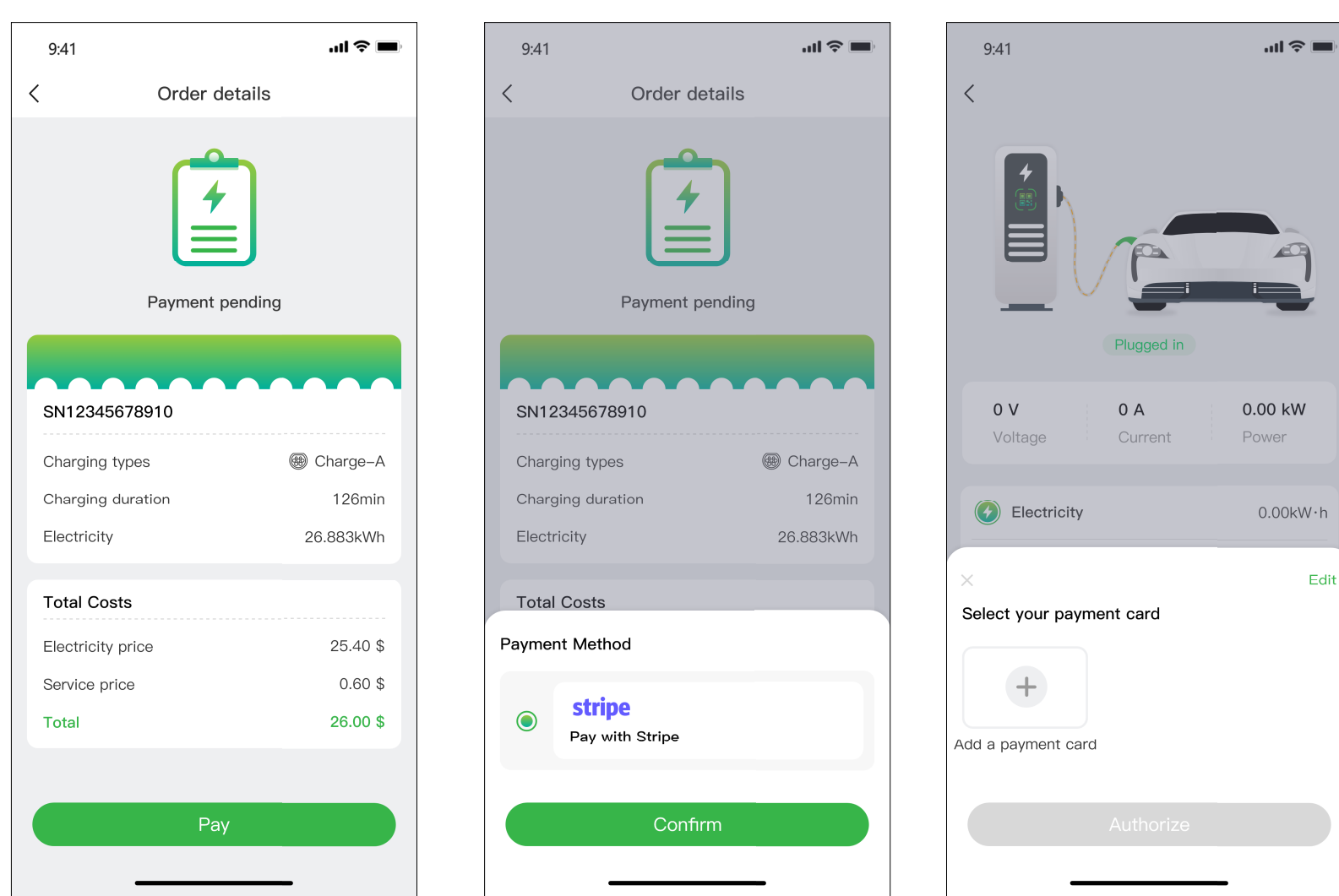


Figure 20 - Payment

If the amount is authorized to the bank and then have your money automatically deducted, you need to authorized a specified amount to the bank to deducted automatically.

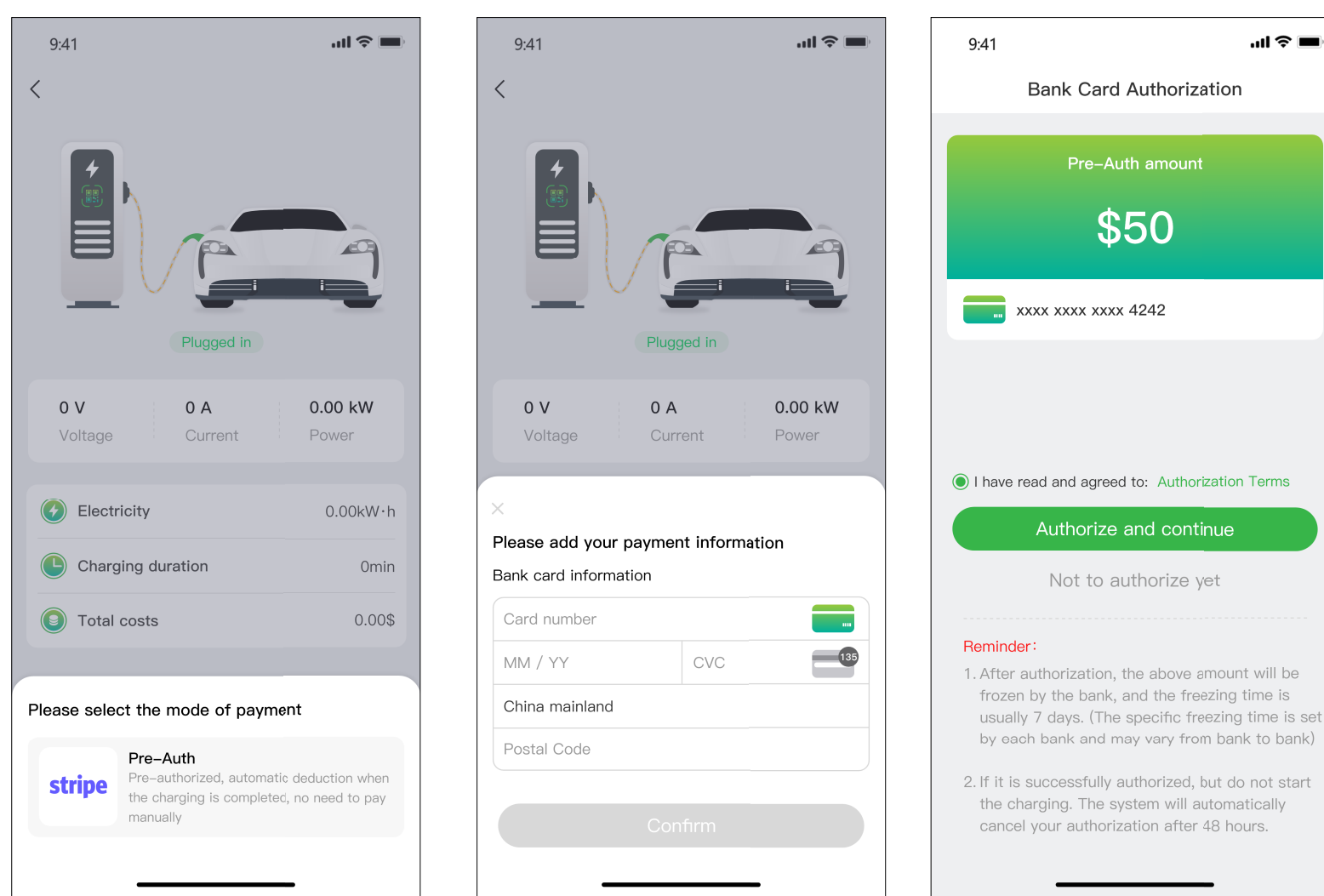


Figure 21 - Bank card authorization

8. Frequently Asked Questions (FAQs)

For the Frequently Asked Questions (FAQs), please click on Me > Help & Feedback for details.

9. Support and contact information

Should you have any question, please feel free to contact us:



info@zingygmbh.com



0049(0) 5362 5009 787

10. Revision history

Revised on	Applicable to App version	Description
5th, May, 2023	2.0.0	Initial document creation