

# User Guide



## EV700

English | 2022





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## Safety Recommendations

The user must read and fully understand the safety instructions provided. Disregard of or actions contrary to the safety information and instructions contained in this manual and printed on the device may lead to electric shock, fire and/or severe injury and either damage to the vehicle or to the EV700 device. Any resulting damage from such actions is excluded from the warranty. The installation of the EV700 device must be performed by a qualified electrician in accordance with the perceptive regulation. The information provided in this Installation Guide does not relieve the user of responsibility to follow all norms and standards or local regulations that may apply. The EV700 Smart Charger device has been designed, developed and manufactured to satisfy requirements, safety dispositions and norms in accordance with the directives presented in the declaration of conformity.

## Legal Notice

This document is intended to be used as a reference guide for the operation of the charger. The product images shown are for illustration purposes only and may not be an exact representation of the product. EV700 reserves the right to make changes to the specifications and processes of the product and documentation at any time without prior notice

## Safety Instructions

- Do not operate if physical defects such as cracking, breakage, corrosion, or other damage are observed. In this case, please contact your distributor.
- Only an authorised specialist and qualified personnel may open, disassemble, repair, alter or modify the EV700 device. Unauthorised modification of the EV700 equipment makes manufacturer warranty void.
- Unauthorised modifications or conversions are not allowed.
- Special precautions must be taken with electronic implants. Please contact your medical device manufacturer to find out the potential effects that the charging process may cause to it.
- Do not delete any warning on the device, such as safety symbols, warning notices, rating plates, identification plates or cable markings.
- Protect your EV700 device from any impact which it may be exposed.
- The charging station does not have its own power switch. Always respect local electricity rules and regulations, as relevant.
- EV700 Smart Chargers can only be used under the operating parameters specified and within -25°C to 40°C of ambient temperature.
- Do not use your EV700 charger under adverse climatic conditions that could affect the vehicle or the EV700 device. Do not open the cover in the rain.



## Recommendations

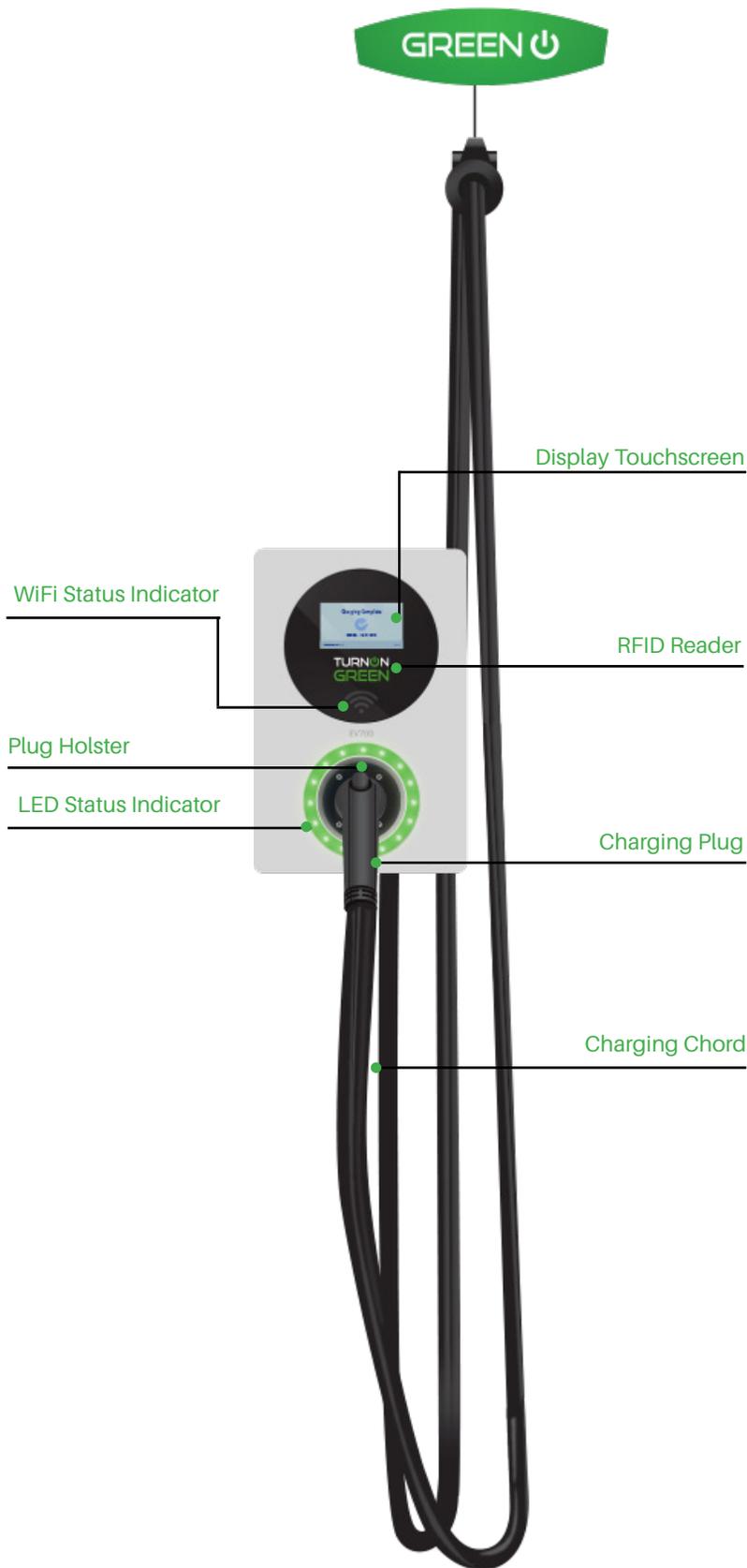
- Always check the charging cable and the contacts for damage and contamination before use.
- Never use a damaged charging cable, the vehicle plug, or the infrastructure electrical outlet to charge.
- Never use contacts that are dirty or wet.
- Only connect the connector to vehicle plug and infrastructure electrical outlets that are protected against water, moisture and liquids.
- After stopping the charging process, the vehicle connector and the equipment plug can be disconnected. Never use force to disconnect the vehicle connector from the inlet or the equipment plug power outlet. Such dangerous activity can cause serious injuries or even death.
- Depending on the charging station and the electric vehicle, the time to complete the charging process and the duration of unlocking may vary.
- Some vehicles can be started with the charging cable connected. Be sure to unplug before driving off.
- Do not use the charging cable with an extension cable or an adapter.
- If the connector emits smoke or begins to melt, never touch the charging cable. If possible, stop the charging process. In any event, disconnect the power supply from the EV700 device.
- Keep the charging cable out of the reach of children.
- Be careful with the connector, do not step on it or on the cable.
- The cable should NOT be tightened under ANY CIRCUMSTANCES while connected to the vehicle.

Important information for the correct disposal of the product in accordance with Directive 2012/19/EC. At the end of its useful life, the product will not be disposed of as urban waste. It must be taken to a collection center for special and differentiated waste or to a distributor that provides this service.



## Welcome to TurnOnGreen.

Congratulations on your purchase of the EV700 Level 2 Home Charger. We are on a mission to provide environmentally friendly products and personalized services that will help make green energy technology a part of our everyday lives. Together we can build a better environment for future generations.



## Familiarizing yourself with the EV700

The EV700 is a Level 2 electric vehicle charger for your home that comes ready, right out of the box! Once your EV700 is mounted and powered properly, take some time to understand the features of your new electric vehicle charger.





## Off

If no light is emanating off the LED indicator, and the touchscreen is not operational, the device is not receiving power.



## Standby

A blue light means the EV700 is on standby mode.



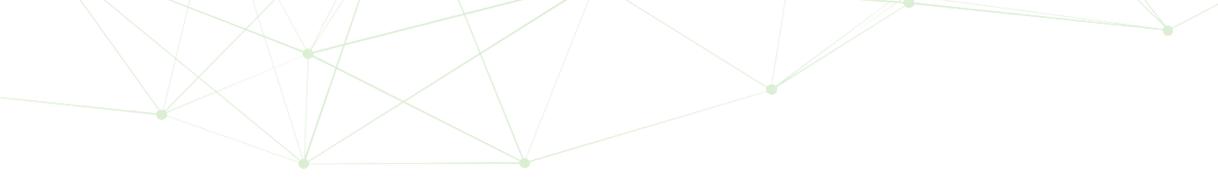
## Charging

If the light is blinking green, your EV700 is currently charging an electric vehicle.



## Error

If the light is red, there is an error. Contact TurnOnGreen.

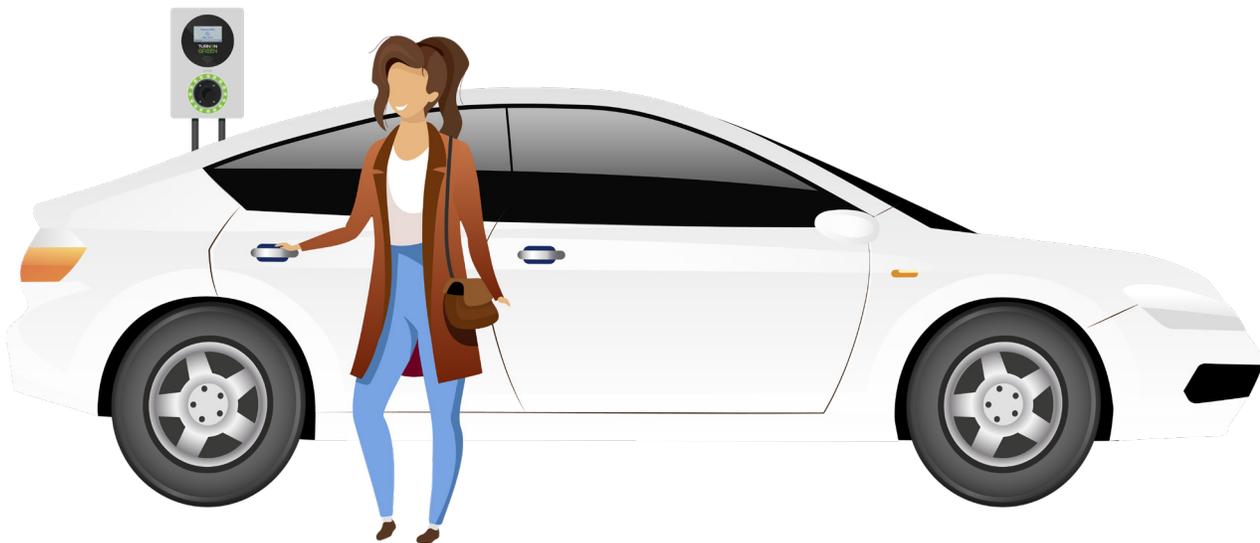


# Using Your TurnOnGreen EV700

## Plug-In and Go!

Once your TOG EV700 has been mounted properly and is connected to a NEMA 6-50 power outlet it is ready to charge your electric vehicle. The default operating setting on the EV700 allows you to plug into your electric vehicle and charge without any additional steps!

Plug your EV700 into your electric vehicle and add up to 30 miles of range to your EV per hour!



# Adjusting Charger Activation Settings

If you wish to set a different charge initiation function, follow the steps below:

**1** Select the gear icon at the bottom left of the touchscreen. 

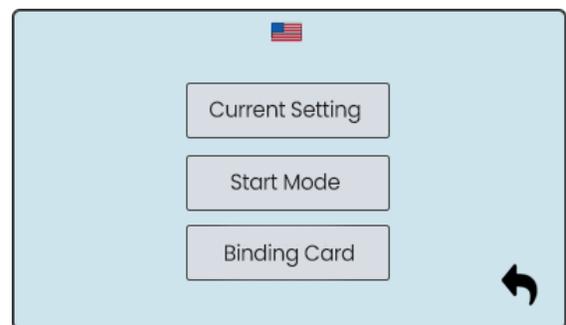
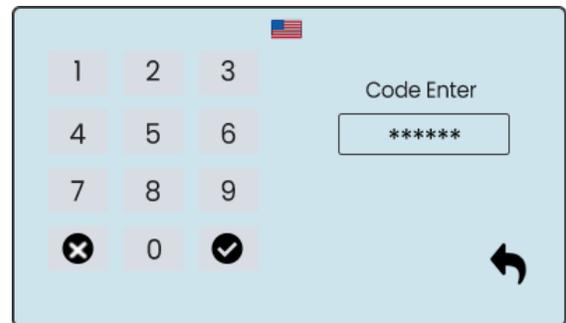
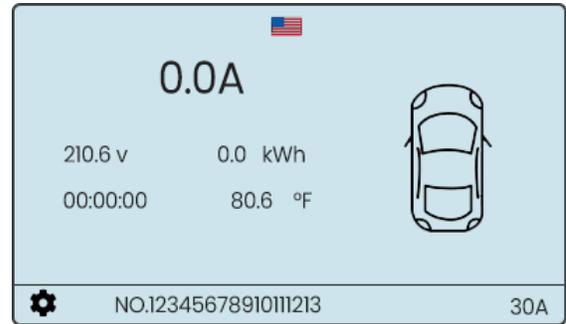
**2** To alter settings on the EV700 you must enter the default passcode on your device. Touch the "Code Enter" bar to place the cursor, and enter the numbers below:

**123456**

Touch the checkmark on the number pad to proceed.

**3** From here you can change the voltage settings of your EV700, or the charge initiation procedure from the default plug-and-play to a different option.

Select "**Start Mode**" to adjust your charge initiation settings.



- 4** In the Start Mode menu you will see three (3) options:

### APP only

In **“APP Only mode”**, the EV700 can only initiate a charge on the mobile application.

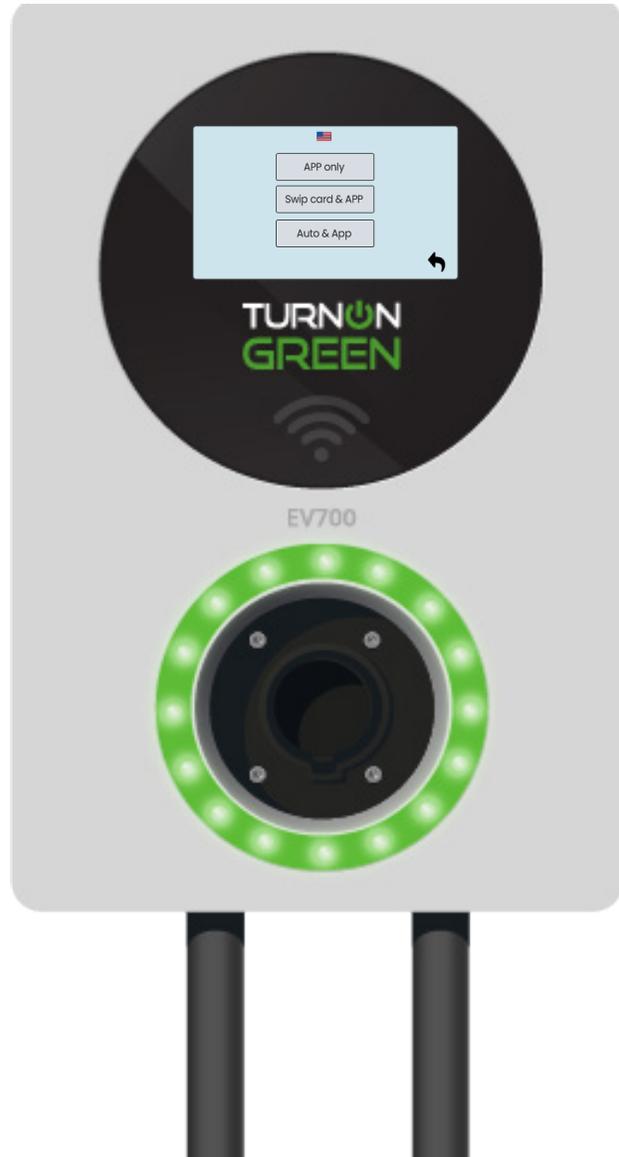
### Swipe Card & App

In **“Swipe Card & App”** mode, the EV700 can be activated using the RFID card provided, or the mobile application.

### Auto & App (default)

**“Auto & App”** mode allows the EV700 to charge automatically when plugged into an electric vehicle. This mode also allows users to initiate and conclude charges using the app. (See page 12)

- 5** Touch the the return arrow once you have selected your preferred charging function. 



NOTE: You can also adjust charger activation settings on the EV700 mobile application. Learn how to download the app on page 12.

# TurnOnGreen App

The EV700 is equipped for smartphone capability. With the TurnOnGreen App you can initiate a charge via Bluetooth or Wifi, schedule charge sessions, see charge statistics, and rename your device using your smartphone! Before selecting the “**App Only**” function make sure you have EV700 App downloaded.



## 1 Download TurnOnGreen App

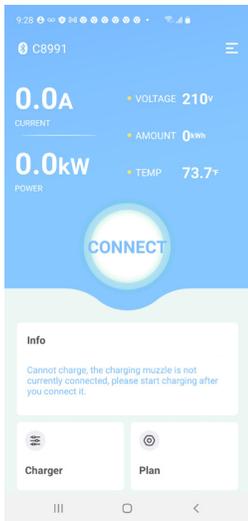
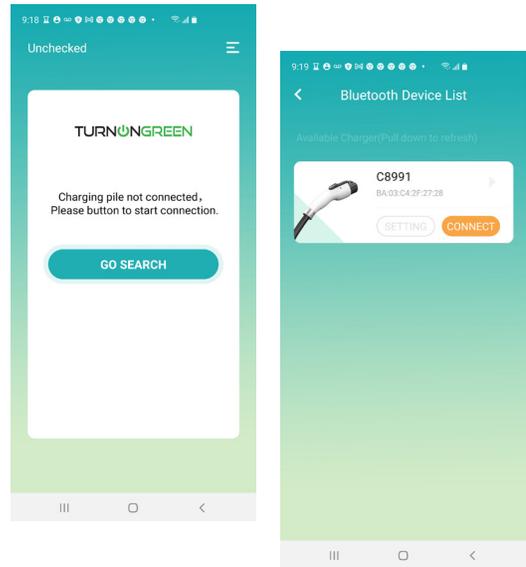
To start managing your EV700 on your smartphone download the EV700 Application on the Google Play Store or Apple App Store.



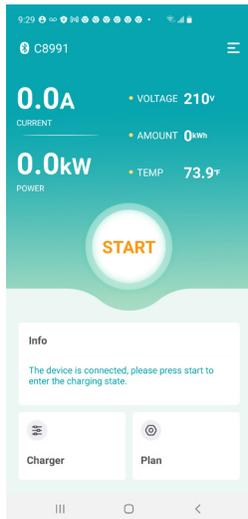
## 2 Pair EV700 with App

Once you have downloaded the EV700 App, open the app on your phone. Select “Search” and the app will search for the EV700’s signal.

Select “Connect” on the charger that displays on the device list.



Not plugged in

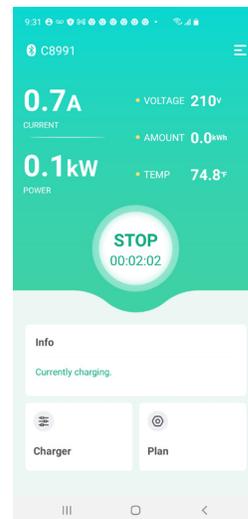


Plugged in

## 3 Start Charging

Make sure the EV700 dock connector is plugged into your electric vehicle. The EV700 App will not allow the charge to initiate until it is plugged into an EV.

Once the connector is plugged into your EV, select “START” to begin charging.



## 4 Stop Charging

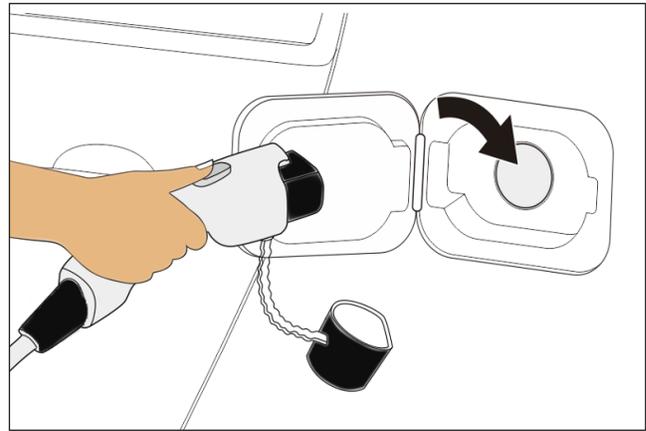
If you wish to conclude your charging session, touch the “STOP” button at the center of the screen. This button will also display the duration of the charge session.

# Swipe Card & App

Once you have set your EV700 to “**Swipe Card & App**” mode, a charge cannot begin without an RFID card or the mobile app.

## 1 Plug In

Plug the EV700 into your electric vehicle.



## 2 Screen Prompt

The EV700 will prompt you to activate a charge session by swiping your RFID card, or by using the mobile phone application.

The charging session will not commence until an RFID card has been swiped, or the mobile application has initiated the charge.

## 3 Swipe RFID Card

Swipe the RFID card just above the Wi-Fi symbol to initiate a charge session.

Place the RFID card on the machine for a minimum of two (2) seconds.

## 4 Mobile Application

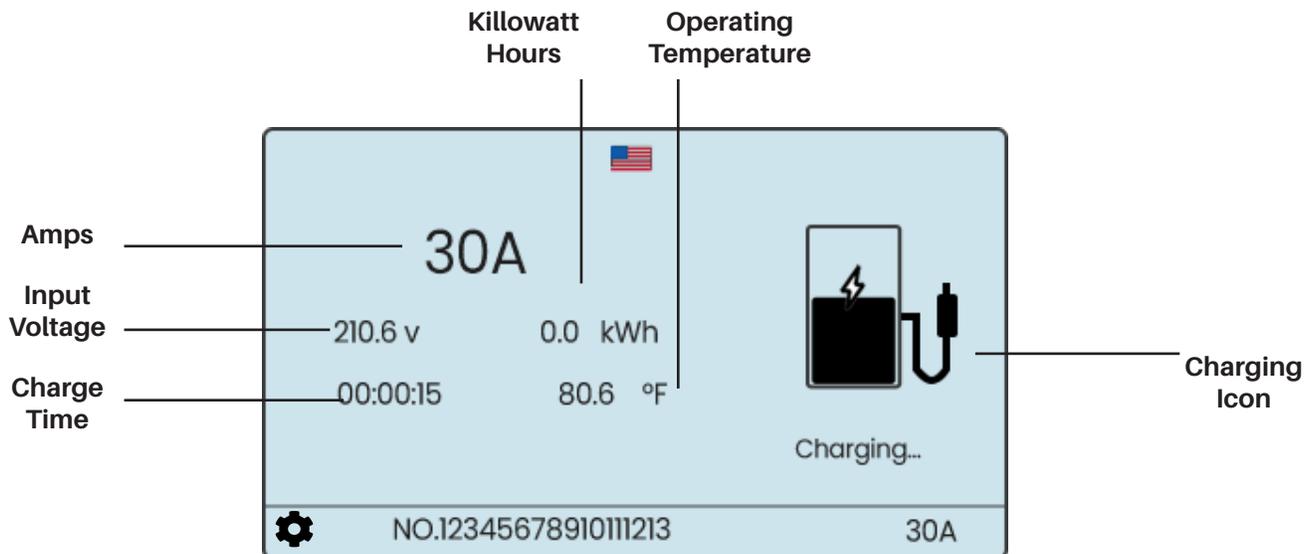
You may also activate a charge in this mode. Follow the steps on page 12 to activate a charge using the mobile application.

Swipe Here!



# Active Charge Screen

Once you have initiated a charge using the EV700 the touchscreen will display real-time charging statistics and the EV700 LED indicator will blink green.



# Stop Charging

Depending on your "Start Mode" settings you can conclude your charge at any time in the same way you began.

## Auto & App Charge Conclusion

Remove the charging plug from the EV, or stop the session on the mobile application.

## Swipe Card & App

Place the RFID above the Wi-Fi symbol to conclude the charging session, or use the mobile application.

## App Only

Select "STOP" on the EV700 mobile app to conclude a charging session.

# Modifying The EV700

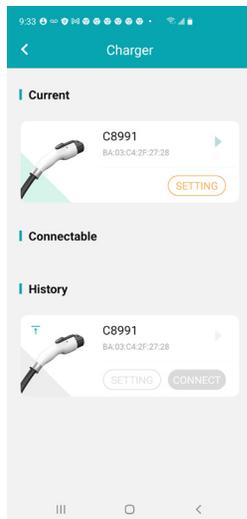
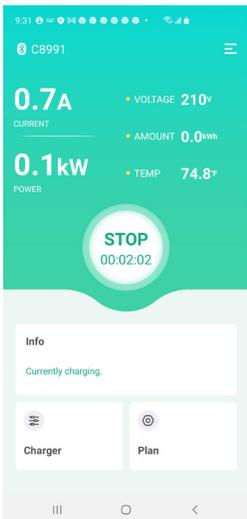
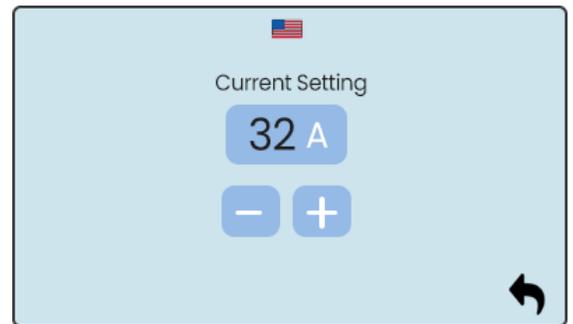
The TurnOnGreen EV700 can be modified to fit your preferences. You can adjust your settings on the LCD touchscreen, and in the EV700 app! Aside from selecting your preferred charge authentication method, you can change charge authentication methods, Adjust Amperage Settings and Assign Additional RFID cards!

## Adjust Amperage Settings

If you plan to charge overnight, it is plausible that fewer amps over 6-10 hours of charging can accomplish the same amount of battery charge as the standard 32A of the EV700. If you wish to reduce the EV700's voltage output follow the steps below.

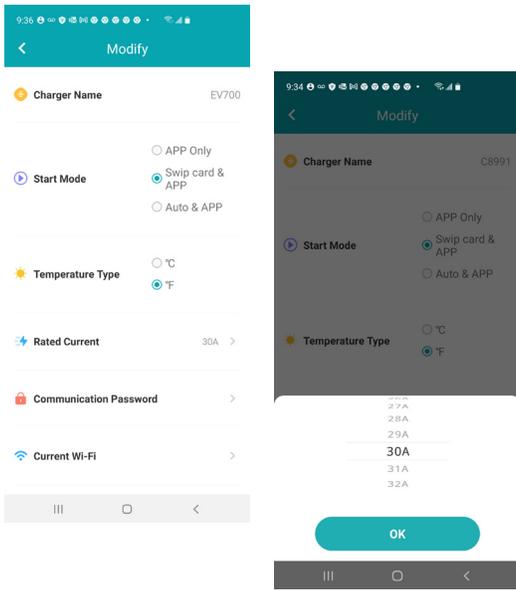
### On EV700 LCD Touchscreen

1. Select the gear on the LCD touchscreen
2. Select "Current Setting"
3. Increase or decrease the amperage setting to your preference.



### Mobile Application

1. Select the "Charge" section on the bottom, left-hand side of the app screen.
2. Select "SETTING" on the Current Charger screen.

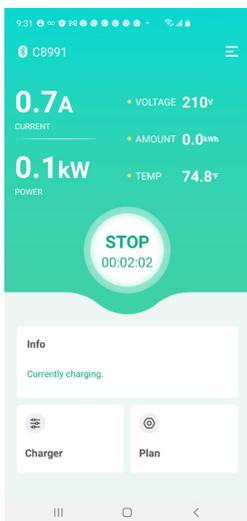


## Mobile Application

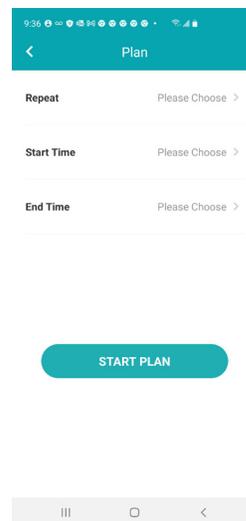
3. Select the "Rated Current" towards the bottom of the Modify screen.
4. Choose your current setting.
5. Select "OK".

## Schedule Charging Sessions

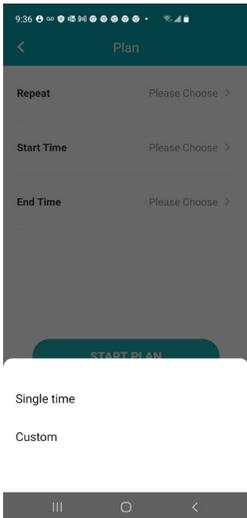
The EV700 mobile app allows you to schedule charging sessions. This is helpful if you wish to plug your EV in for a charge when you arrive at home in the afternoon, but would prefer it to start charging late into the night during off-peak hours.



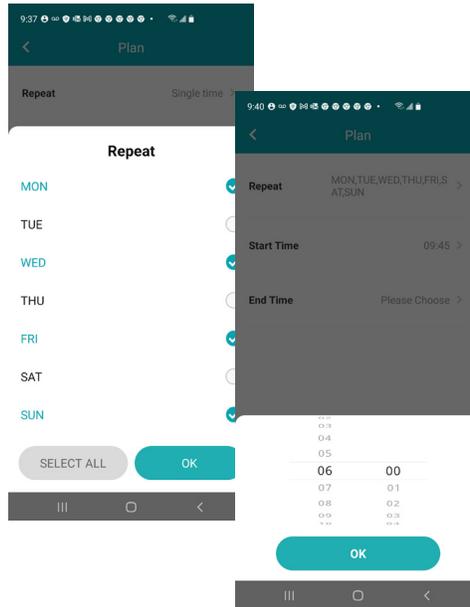
Select "Plan" at the bottom right-hand side of the app screen.



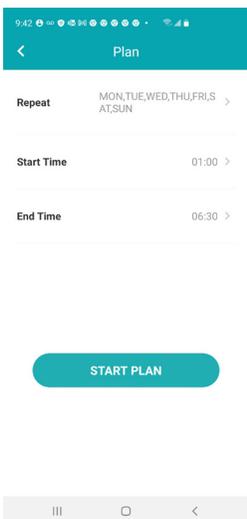
Select "Start Plan".



You may schedule one charge, or a custom schedule of charging sessions.



Select what day and time you would like this scheduled charge to repeat.

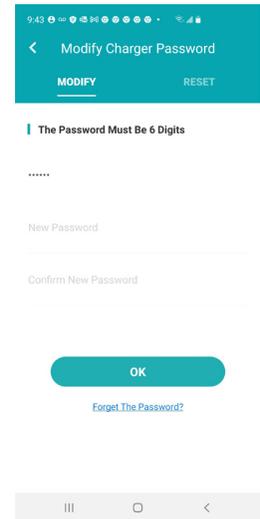
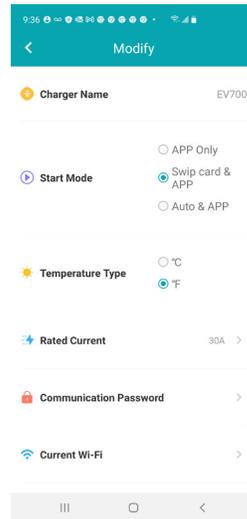


Once you have chosen your preferred day and time select "OK" followed by "START PLAN".

# Changing “Configuration” Password

To configure your EV700 on the LCD screen you must enter the default “123456” password. This password can be changed on the EV700 app:

1. On the home screen of the app select “Charger”.
2. Select Communication Password.
3. Enter the default password.
4. Enter your new password. 6 digits required.

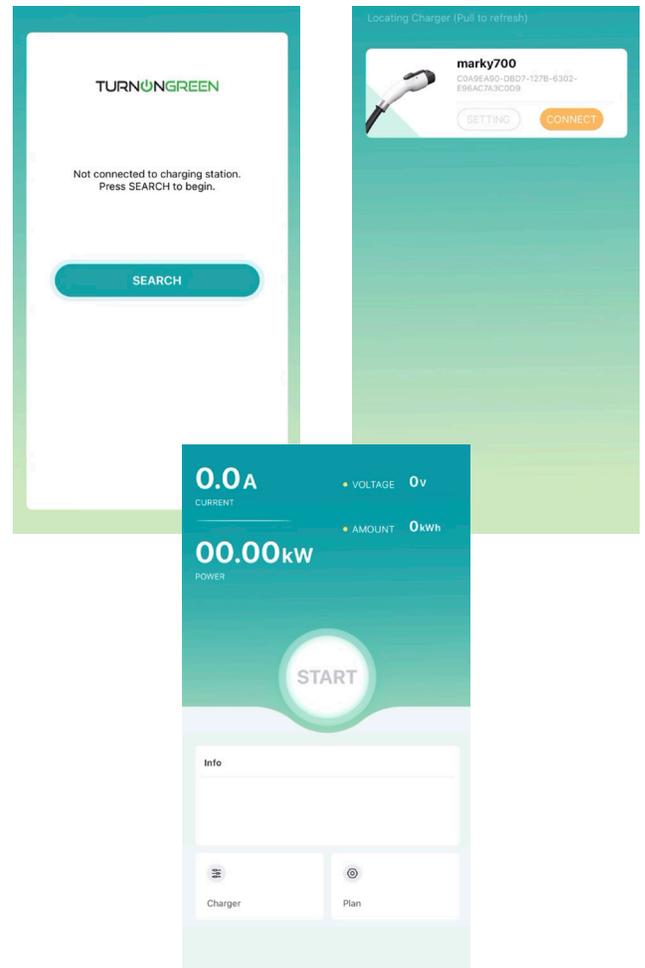


# Updating The EV700

For security and constantly improving functionality, the EV700 will undergo firmware updates regularly. To make sure your EV700 is up to date:

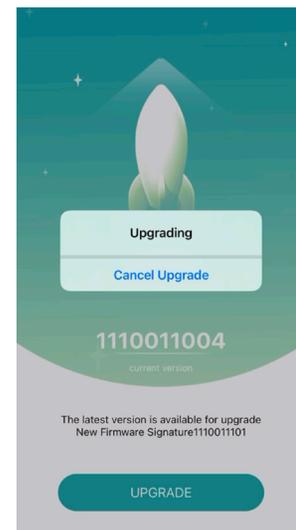
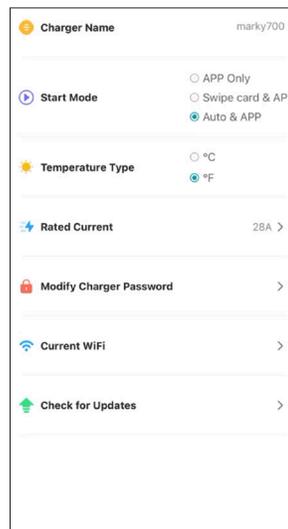
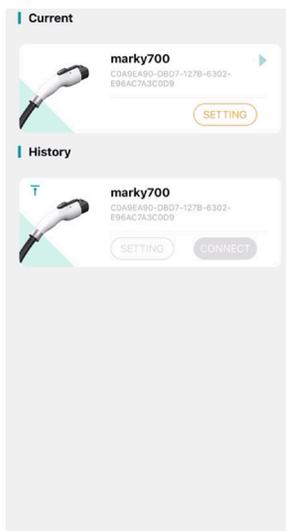
1. Open the EV700 App, Search for your device, and connect.
2. Once you are connected, select “Charger” on the bottom left hand side of the screen.

(continue on next page)



3. Select "Setting".
4. Choose "Check for Updates" at the bottom of the screen.
5. If necessary, select "Upgrade".
6. If your EV700 requires an update, here is what you should know:

- The LCD touchscreen on the charger will reflect an "Updating..." status.
- The update can take up to 5 minutes to complete.
- Once the update is completed, the EV700 will reboot.
- For a few seconds the circular LED indicator will show white light after rebooting.



# Assigning New RFID Cards

**1** Select the gear icon at the bottom left of the touchscreen.



**2** To alter settings on the EV700 you must enter the default passcode on your device. Touch the "Code Enter" bar to place the cursor, and enter the numbers below:

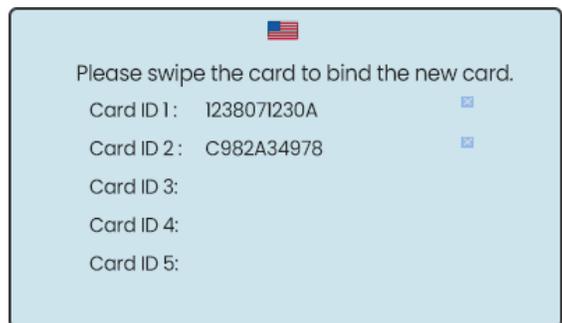
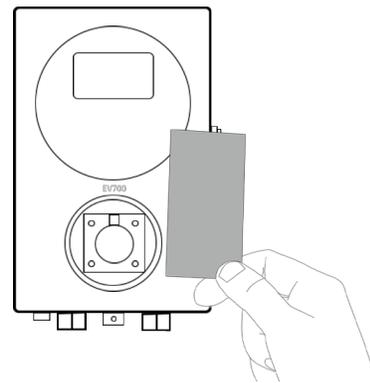
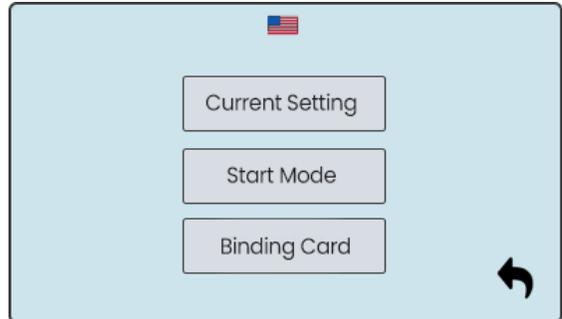
**123456**

Touch the checkmark on the number pad to proceed.

**3** Select "Binding Card"

The cards already assigned to this device will be displayed.

**4** Hold a card with an RFID chip like a hotel key, or credit card up to the Wi-Fi symbol to use this card for charge authentication.



NOTE: To remove RFID cards, touch the "X" to the right of the RFID you wish to remove.



## Maintenance

Below is the information you need to perform proper maintenance on your EV700:

- There are no parts within your EV700 that the user has to maintain. Only a qualified electrician may open and modify your EV700.
- Always make sure that the power supply is turned off before you start cleaning your EV700.
- If you want to clean your EV700 we recommend that you use a soft, dry or damp cloth. Do not use a spray or direct water stream to clean your EV700 charger.
- Never try to open your EV700. Contact TurnOnGreen for any issues. The use of any other tool or means may cause damage in the charger, which wouldn't be covered by the product warranty.

## Troubleshooting

### General Issues

#### **Charger does not power up**

This could mean that there is no current reaching the EV700. The circuit breaker could be off or has tripped. Please check the circuit breaker and make sure that it is working. Press the test button on the circuit breaker - it should disconnect itself.

#### **Charging session did not start**

The reasons could be any of the following:

- The vehicle is scheduled for a later time.
- The vehicle is completely charged.
- The vehicle may be causing the error. Check the vehicle.
- The charging plug is not connected properly, reconnect the plug.
- The charging plug may be dirty or damaged, ensure that it is in good condition.

#### **The vehicle has not charged completely, the charging time is greater than normal or the vehicle only charges at a low power**

When the vehicle's charging session is almost complete, the charging speed begins to fall. On the other hand, if the charger or the vehicle detects a temperature that is too high, the charging power is reduced for safety.



Also, you may need to update the firmware of the EV700. Enter your TurnOnGreen Dashboard and select Settings and see if at the bottom there is a little pop up saying “Updates are available for this charger”. If so, select this and update the firmware of the EV700.

If the vehicle only charges at a low power, and has never charged at a higher power, please check with the installer so they can check the current selector inside the EV700.





For more information  
about the TurnOnGreen  
EV700 scan this QR code!



### Contact Us

Do you need more assistance? Contact us  
at your convenience.

**P:** 1-877-634-0982

**E:** [info@turnongreen.com](mailto:info@turnongreen.com)

**W:** [turnongreen.com](http://turnongreen.com)