# SEVR

Installation Guide

The EV charging station is connected to the AC grid and is a power supply device that provides AC power to the on-board charger of electric vehicles. The EV charging station can charge different types of electric vehicles according to different voltage levels. The input end of the EV charging station is connected to the AC grid, and the output end is equipped with a charging plug or socket to charge the electric vehicle.

**Wall Mounted Dimensions**
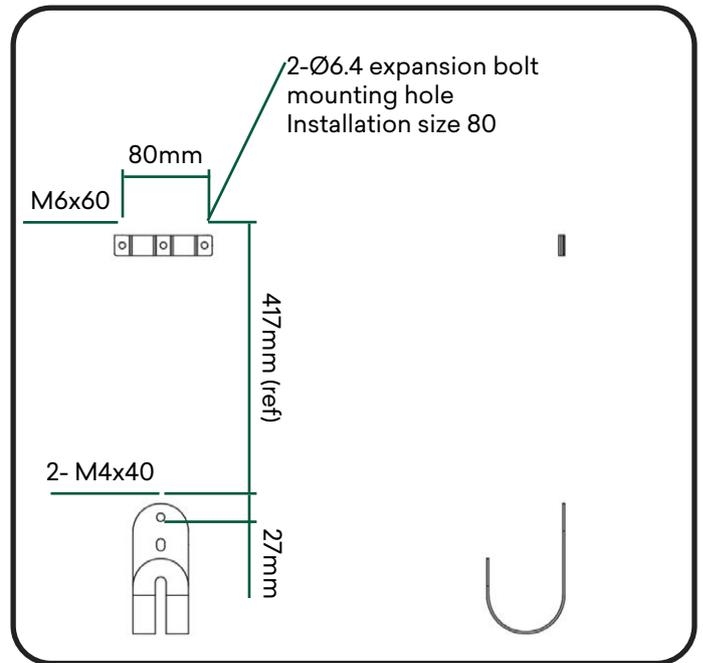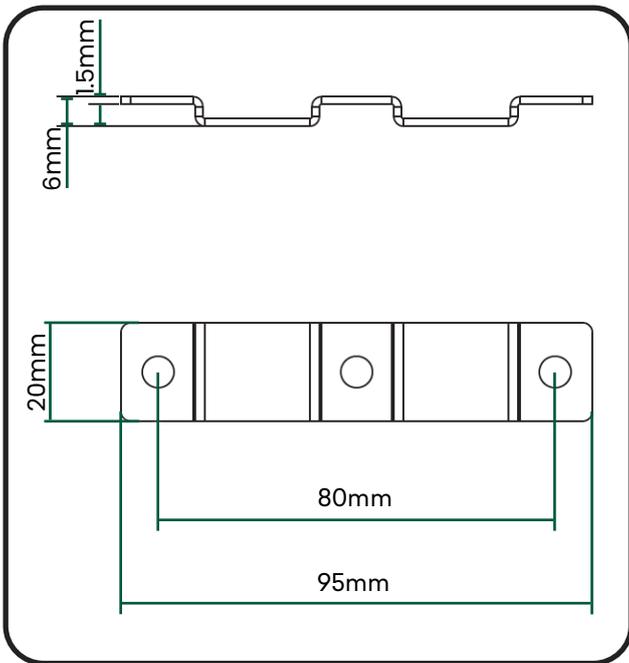
Pedestal Dimensions
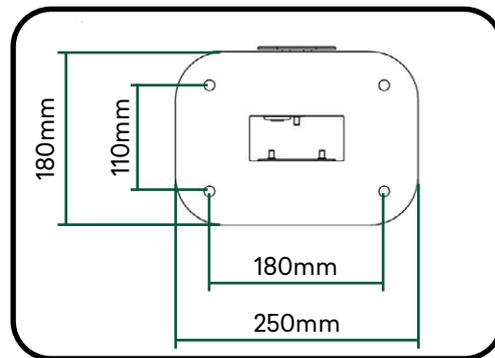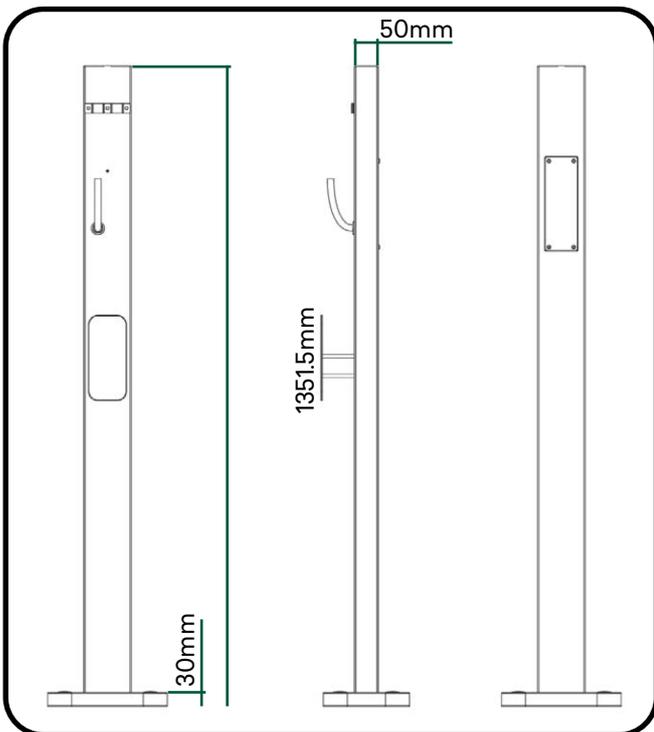
Warning The wall used to mount the hanging back plate must be at least 200mm thick.
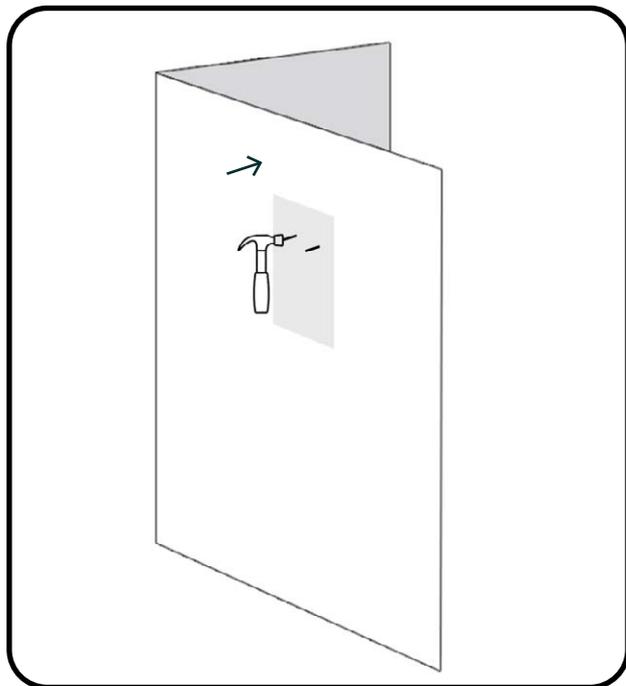
Wall Mounted Installation

For convenient operation, the EV charger should be installed no lower than 0.4m distance from ground and no higher than 1.5m distance from ground.

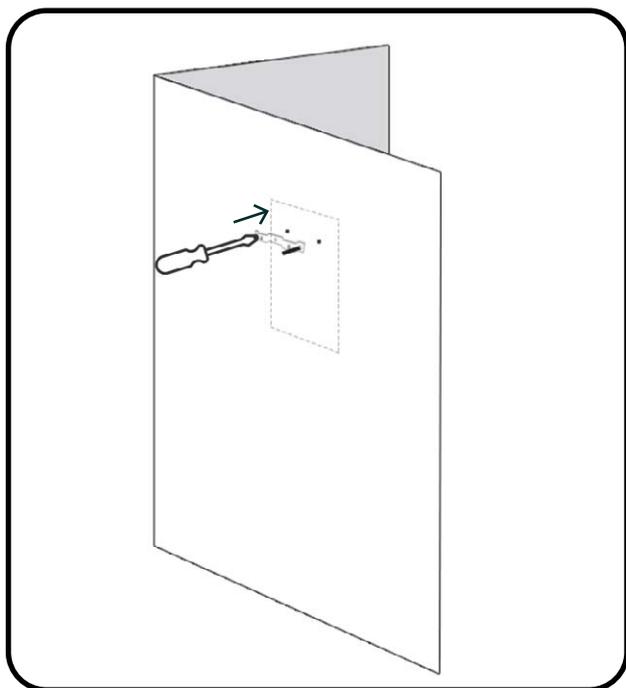**1.** Use a drill to make mounting holes in suitable locations on the wall.
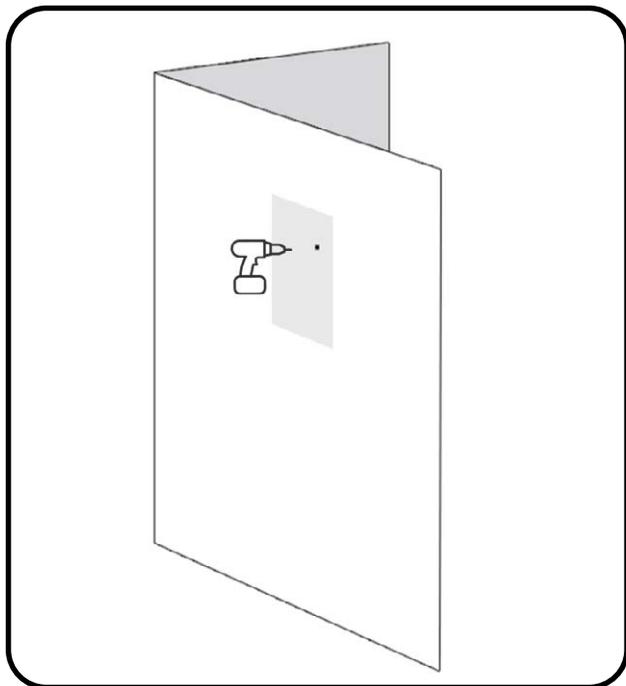
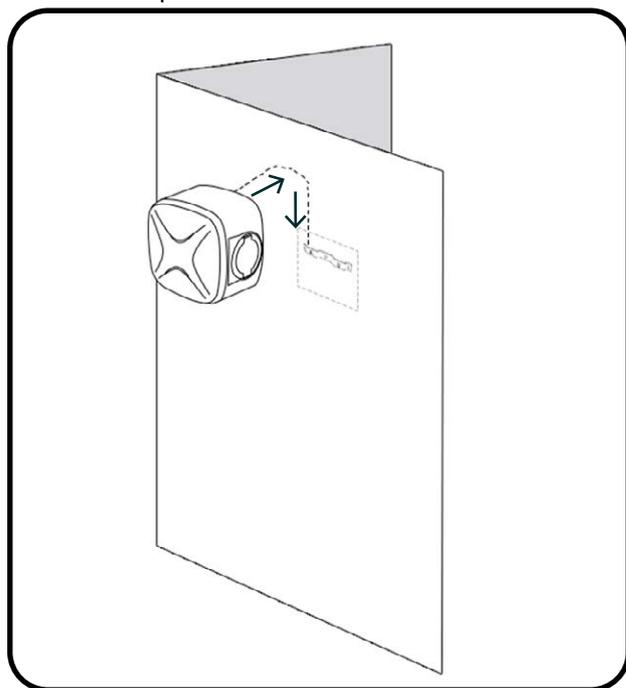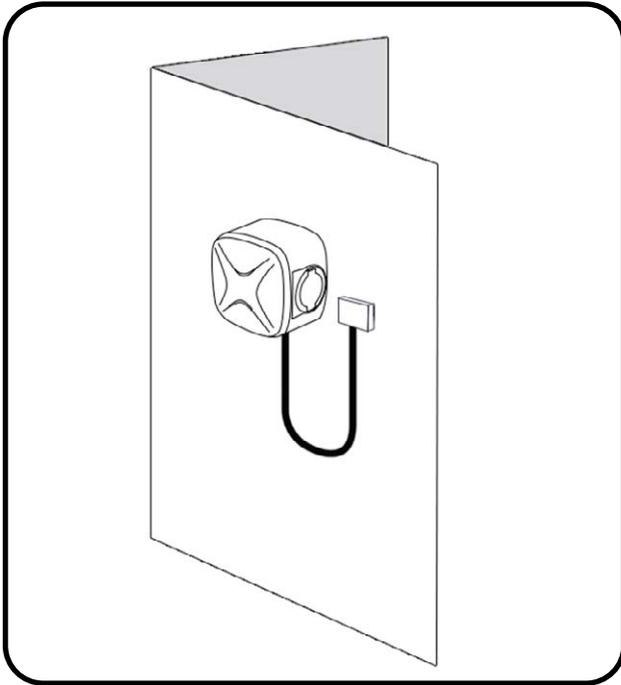**2.** Tap the expansion bolts into the mounting holes.

3. Mount the wallbox back plate on the wall.

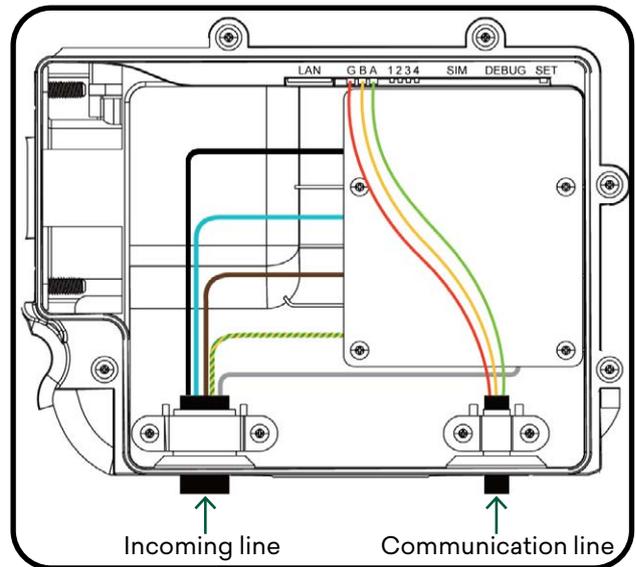**4.** Place the wallbox in from the top down and fix it to the back plate.

5. Organise and secure the incoming cables of the wallbox.

Wiring Diagram

Please connect the power input line and signal line as shown in the following figure

Incoming line

Incoming line   Communication line
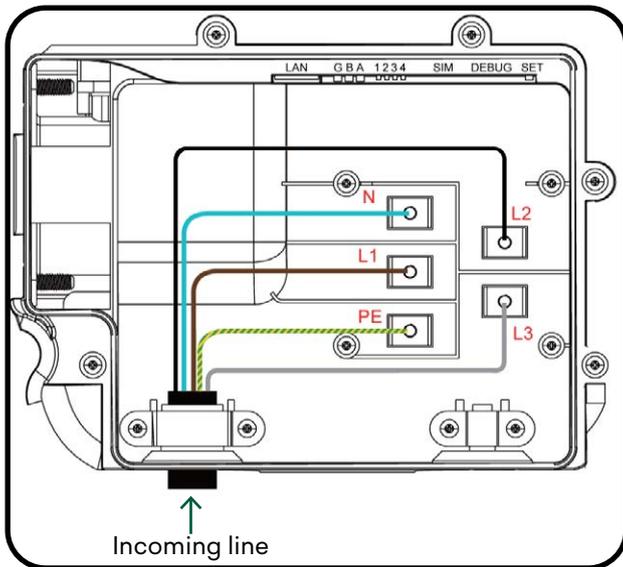
User Instructions

This charger is set to 'Plug and Play' mode by default at the time of manufacture, allowing for immediate connection when the cables are inserted.

Plug & Play Charging

1. When the charging wallbox is ready, connect the charging plug to the car
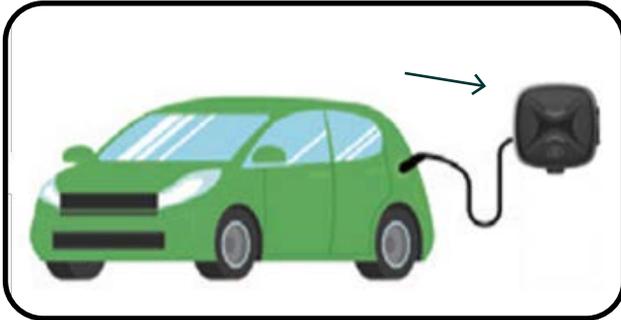
2. Swipe the card and listen for the buzzer to confirm a successful card swipe.
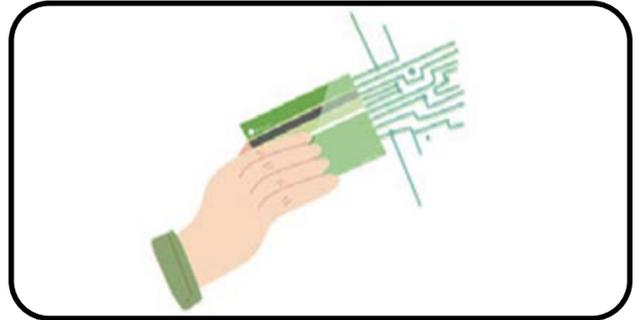
3. Charging initiates, indicated by the green LED lighting up.
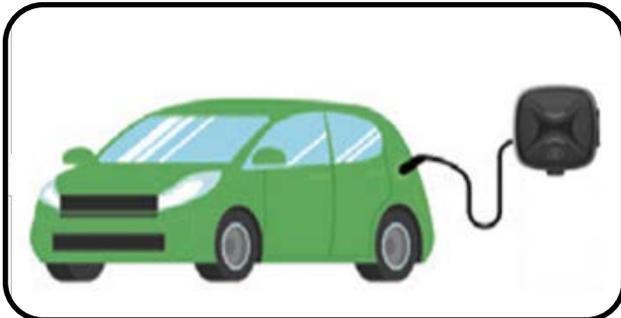
4. To stop charging, swipe the card again and unplug.
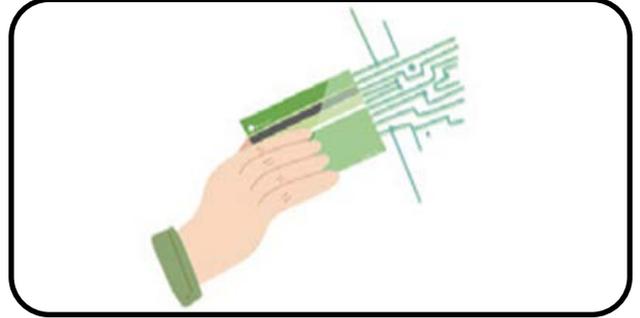
5. Safely disconnect the plug before leaving.
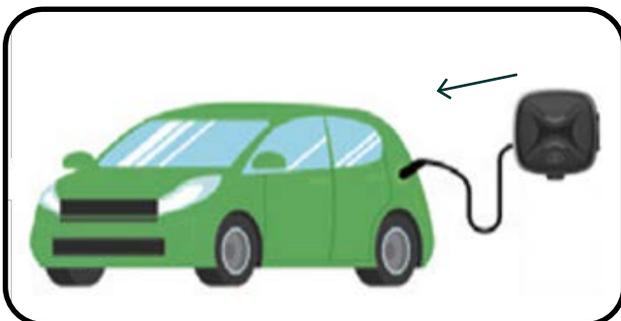
Smart Phone Charging

Download the 'My Teison' app from the Apple App Store or Google Play Store and register an account. The app supports iOS, Android, and HarmonyOS, depending on your device version.

After powering on and connecting the cable, follow the instructions in the app to select a charging method and begin charging.

1. When using the app for the first time, you must grant permission to access GPS and Bluetooth functions.
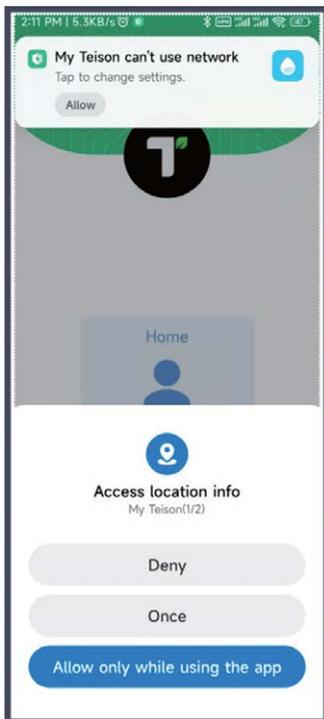
2. Select "Home": Supports SEVR X3 and X4 OCPP, with Bluetooth and Remote Control.
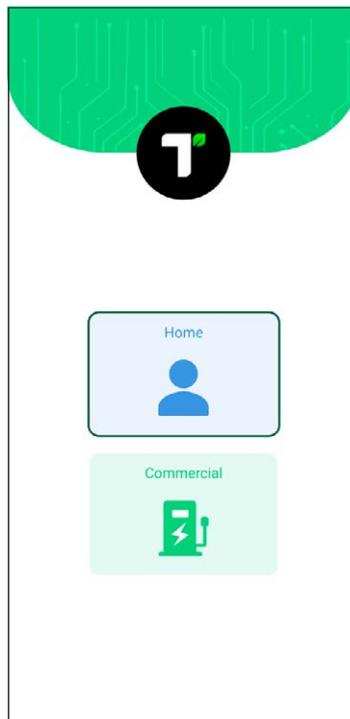
3. Register your information and login
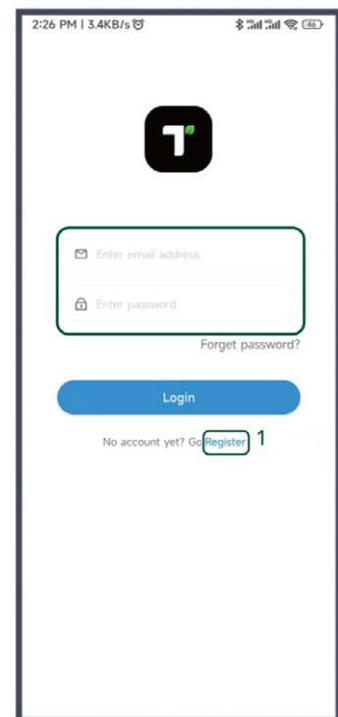
4. Connect

1. Local Devices list: Press "Use immediately" to enter into the user page via Bluetooth.

2. Online Devices list: Shows all online chargers bonded by user. Parameters: Device name, Serial No. , Status, type etc. To press "Use immediately" enter into online charger User interface.

3. Press "+Add device" to add EV charger via WiFi.

4. Devices selected area, to find out the correct charging station

5. Select "Use immediately" to use local device.

6. Select the "..."button upper right side.

7. Select "Config Network"

SEVR
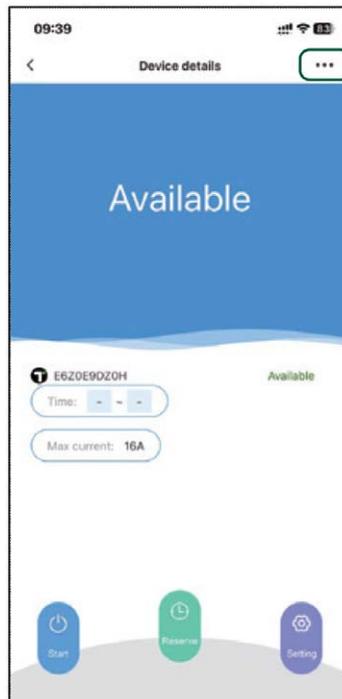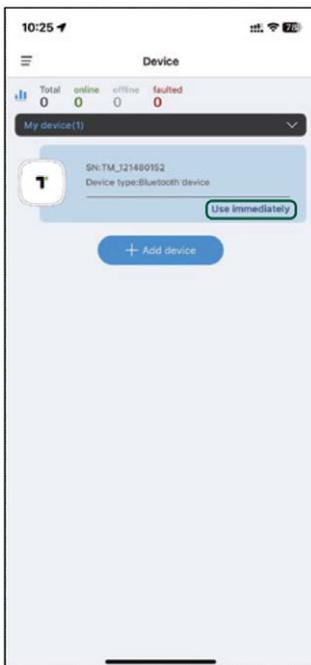
11. Select "Wi-fi" or "4G" connection
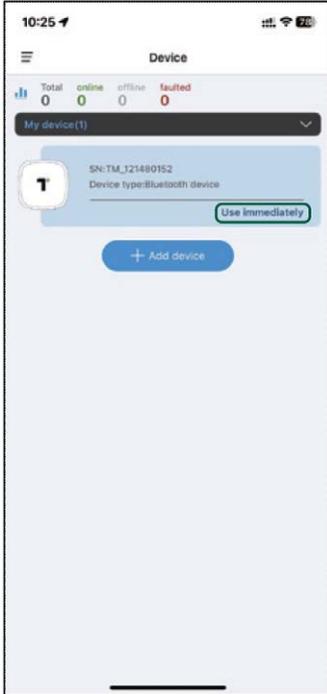
12. If you wish to use an optional OCPP1.6 Charge Point Operator, choose WiFi (2.4Ghz wifi frequency supported only, 5ghz not supported), input your WiFi password.

13. If you choose 4G, input 4G network APN configuration provided by your carrier.
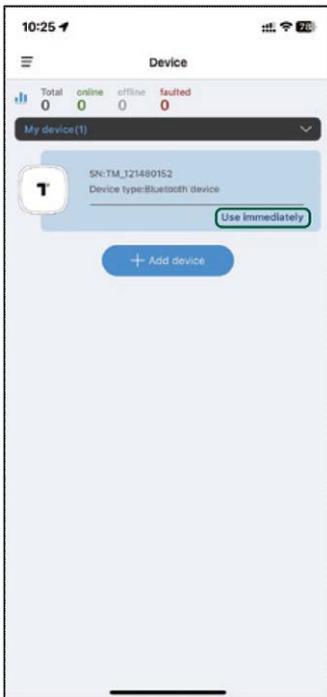
14. Network Configuration will finish within 30 seconds.
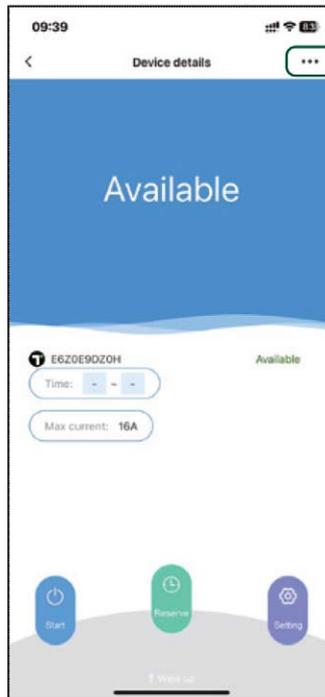
15. Config Success. IMPORTANT: Please name your online charger.
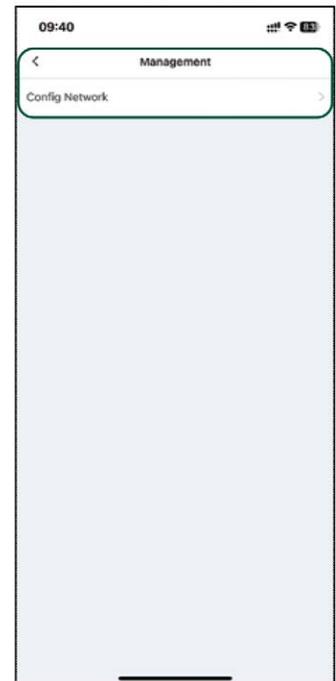
16. If successful, configuring network will show in the list. If not refresh the page).
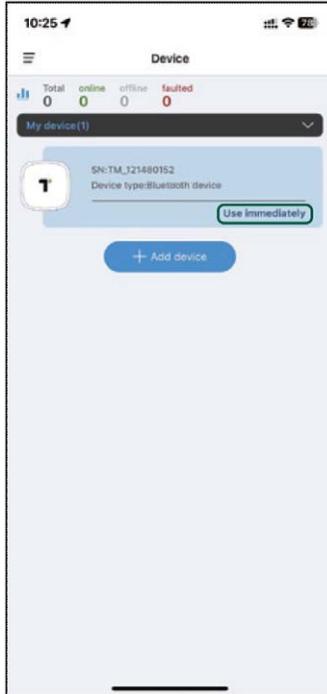
17. You can check your PIN code by local device management (press "..."on your home page).
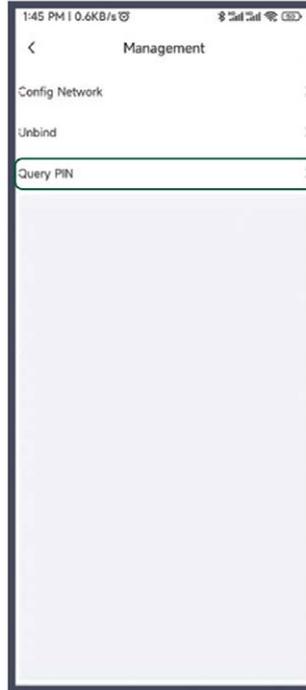
18. Copy PIN code or Refresh PIN code. Pin Code can be shared to others for the usage of charger

Troubleshooting

If device is correctly plugged in and powered on, but the App is blank:

1. Ensure there is no fault reminder from the LED indicator.
2. Check your phone's Bluetooth is turned on.

Network Issue:

1. Ensure you have inserted 4G SIM card if you choose 4G network.
2. Confirm your phone is connected to 2.4ghz WiFi, then share the WiFi to EV charger.

Note:

1. Successful network distribution means that the device is bounded, and only the person who bounded can control the pile;
2. If you need to share with others, you can share the PIN code you set with others in Bluetooth mode.
3. You can unbind in Bluetooth mode so that other people can bind.

LED Indicator Light

Top indicator light

Bottom indicator light

LED Status	PE	Top (RGB)	Bottom (R/G/B)
Standby	yes	Blue on	Blue on
	no	Blue flashing slowly	Blue flashing slowly
Connecting/Fully Charged		Green on	Green on
Reserving		Green on	Green flashing slowly
Charging	yes	Green flashing slowly	Green flashing slowly
	no	Green flashing quickly	Green flashing quickly
Fault		Red on	Red flash slowly (N + 5sec stop)

Interface

Sim card

RS485

Ethernet interface

Sim card

Debugging port

Restore Settings

LAN   G B A 1 2 3 4   SIM   DEBUG   SET
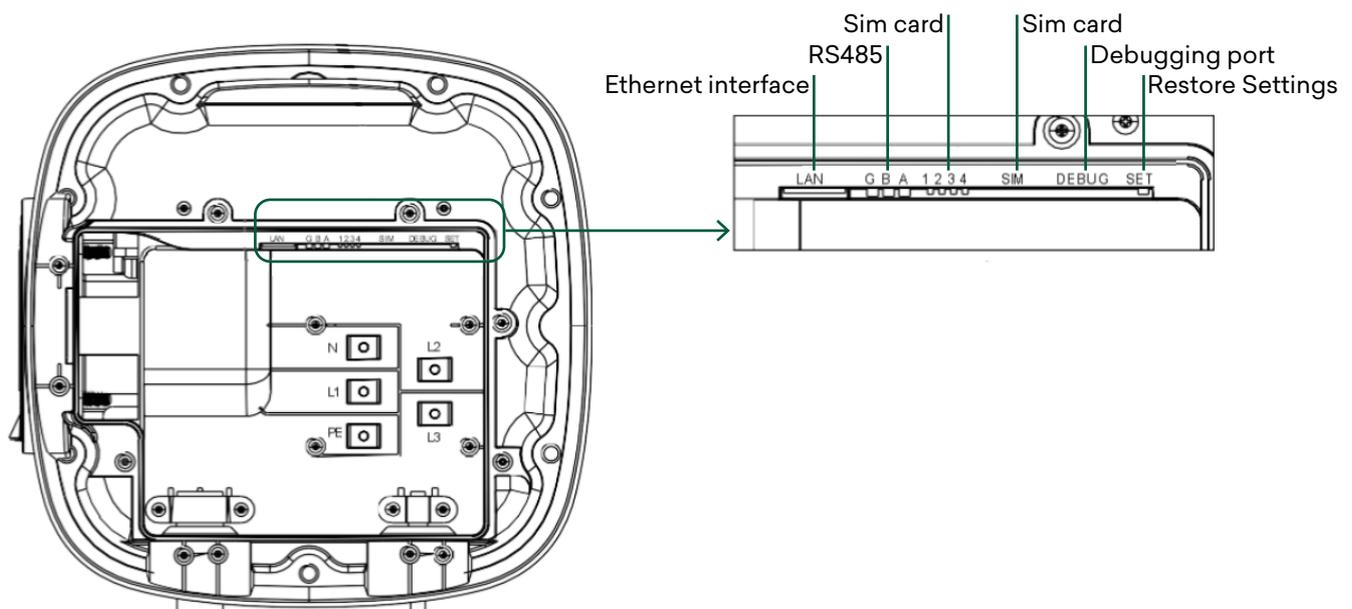
Dial Switch

Serial Number	Function Points	Function Description	KEY1	Current Setting Gear KEY 234	Meaning	Notes	Customer Applicable Status
1				000	Default Configuration	The default is 32A	Available
2				001	6A		Available
3				010	10A		Available
4				011	13A		Available
5	Current Regulation	Limit maximum output current		100	16A	When the firmware is limited to 16A	Available
6				101	20A	When the firmware is limited to 16A, maintain 16A.	Available
7				110	25A	When the firmware is limited to 16A, maintaine 16A	Available
8				111	32A	When the firmware is limited to 16A, maintaine 16A	Available
9			0		Default Configuration		
10			1		Toggle		

0000
Default Configuration

0001 - 6A

0010 - 10A

0011 - 13A

0100 - 16A

0101 - 20A

0110 - 25A

0111 - 32A
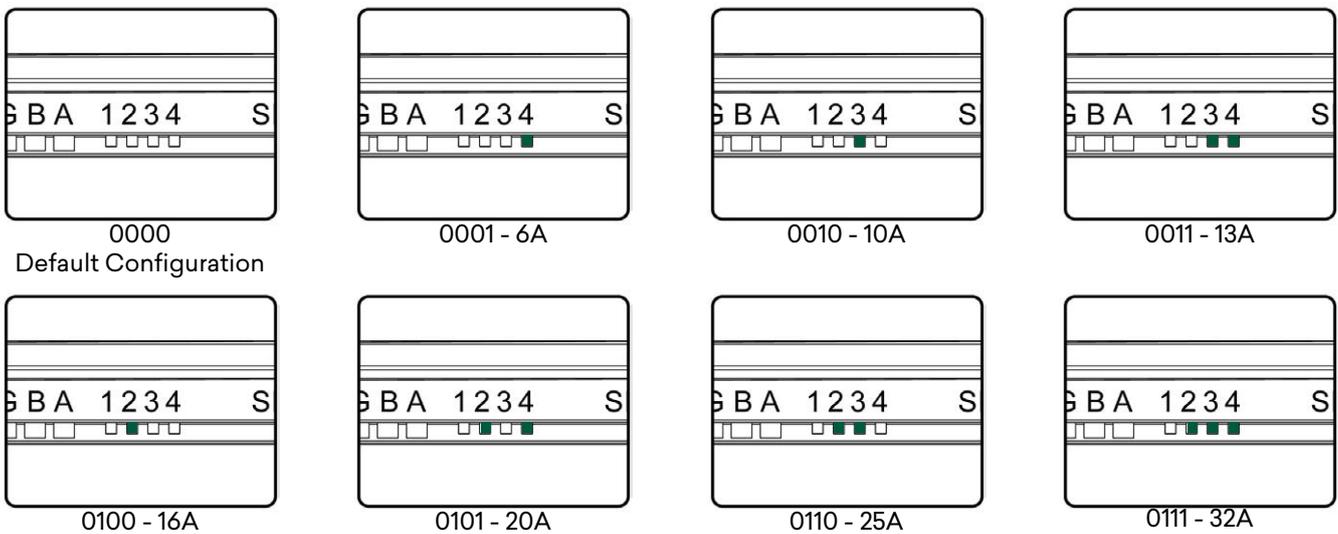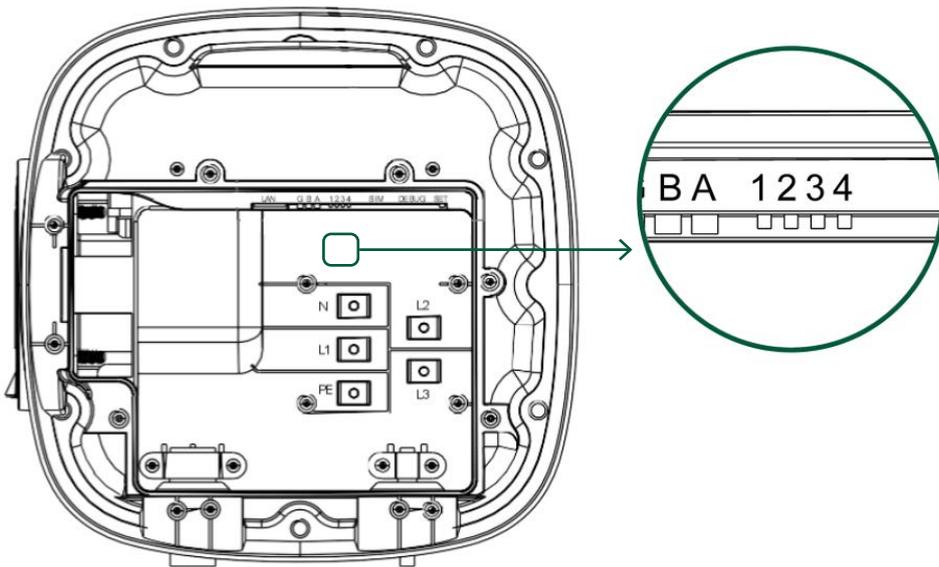
Maintenance

As part of monthly routine maintenance, power off the EV charger and inspect all cabling. Check the supply line for any signs of wear or damage that may result from regular power cycling. Ensure all incoming wires are secure and free from visible defects.

Red light flash times	Condition	LED Status
1	Electric leakage	
2	Over-voltage	
3	Under-voltage	
4	Over-current	
5	Over temperature	
6	Electrical leakage self-testing abnormal	Bottom indicator light flashing slowly
7	/	
8	CP pilot abnormal	
9	Relay abnormal	
10	/	
11	System 12V abnormal	
12	System - 12V abnormal	

Please note

- Failure to follow the safety guidelines may result in injury, harm or damage to the device.
- Persons who install and use chargers must observe the principles and regulations to ensure safety. Before using charger, the electrical infrastructure should be checked by a qualified electrician for suitability. Electrical infrastructure must comply with the charger specifications.
- Before turning on the unit, make sure that the unit is properly grounded to avoid unnecessary faults.
- Before charging, always carry out a visual inspection for damage. The contact area of the charging plug should be free from dirt and moisture, the charging cable should not have cuts or abrasions of the insulation and the cable outlet of the charger must be checked to ensure that it is firmly seated.
- Any unauthorised modification, alteration or repair of the charger is strictly prohibited and will result in the immediate voiding of the warranty.
- The charger must not be used in the vicinity of volatile gases or flammable objects.
- Children must not touch or operate the device under any circumstances. Keep children at a safe distance whilst in use.
- Disconnect the charger only by the plug and not by the cable off the power outlet. Do not disconnect the charger while charging is in progress.
- Only change the accessory adapters when the power supply is disconnected.
- Immediately stop using the device if a charging failure or any abnormality is detected.
- Do not use the equipment during thunderstorms. Protect the EV charger from moisture, rain, direct sunlight and corrosive environments. Never submerge the EV charger in water. This product is intended solely for charging electric vehicles and must not be used for any other purpose.
- The charger contains no user serviceable parts. Please do not try to repair device by yourself, all repairs must be carried out exclusively by SEVR authorised personnel.
- The installation, maintenance, and servicing of charger must only be performed by qualified personnel in accordance with applicable local regulations.
- Protect the charger from any external impact.
- Take appropriate precautions with electronic medical implants.
- Disconnect the main service power to your charger before cleaning the unit. Do not use cleaning solvents to clean any part of your charger. Use a clean, dry cloth to remove accumulated dust and dirt.
- Under no circumstance should you over-tighten the connecting cable while it is connected to the vehicle.
- Ensure that the charging cable is positioned so that it will not be stepped on, tripped over, or subjected to damage or stress. Do not close your garage door on the charging cord.