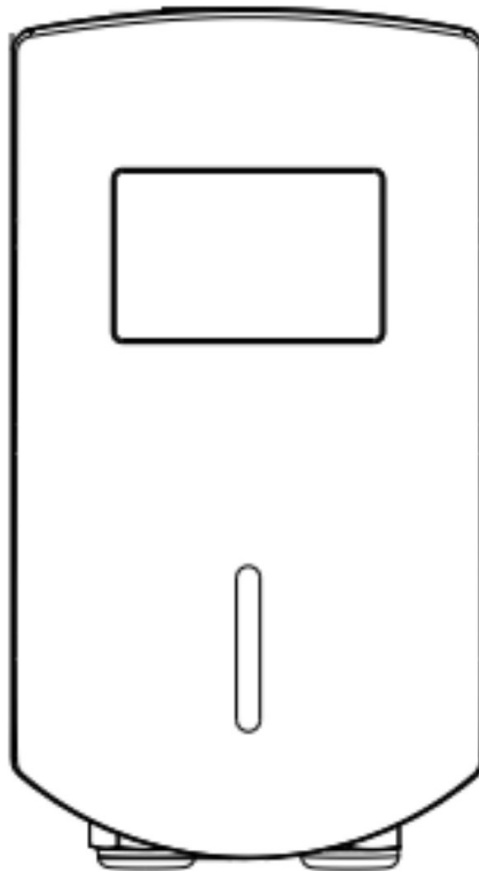




GW-EV260

Electric Vehicle AC Charger

Installation Instructions











WARNING & CAUTION

1. Important Safety Instructions








1. Overall Warnings & Cautions

-  **WARNING:** To avoid fire, injury or death, carefully read and follow the instructions during installation, operation and maintenance.
 - **DO NOT** put fingers into the electric vehicle connector.
 - **DO NOT** use this product if the flexible power cord or EV cable is frayed, insulation-broken, or any other signs of damage.
 - **DO NOT** use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
 - **DO NOT** remove cover or attempt to open the enclosure because of risk of electric shock.
-  **WARNING:** This device should be supervised when used around children.
-  **WARNING:** This device must be grounded.
-  **WARNING:** To avoid a risk of fire or electric shock, do not use this device with an extension cord.
-  **WARNING:** The suitability of the use of flexible cord in accordance with CE code, part I, rule 4-012, is to be determined by the local inspection authority.
-  **WARNING:** To reduce the risk of fire, connect only to a circuit provided branch circuit over-current protection in accordance with the CSA C22.1–15 Canadian Electrical Code, Part 1 (Canada) or NOM-001-SEDE Electrical installations (utility) (Mexico) or ANSI / NFPA 70 National Electrical Code (USA).







WARNING & CAUTION

2. Installation Requirements

-  **WARNING:** Disconnect electrical power prior to installing the charging station.
-  **WARNING:** Be sure to preview the user manual and ensure local building and electrical codes are reviewed before installing the AC charger.
-  **WARNING:** The AC charger should be installed by a qualified technician according to the user manual and local safety regulations.
-  **CAUTION:** Use appropriate protection when connecting to the main power distribution cable.
-  **CAUTION:** Type B, C or D breaker with the rating current for table should be installed in the upstream AC distribution box.
-  **CAUTION:** The device shall be mounted at height between 2 feet and 4 feet from ground.
-  **CAUTION:** Please keep the charger in a clean area with low humidity. Not recommended to be installed in coastal environments with high humidity or high dust.

3. Daily Maintenance

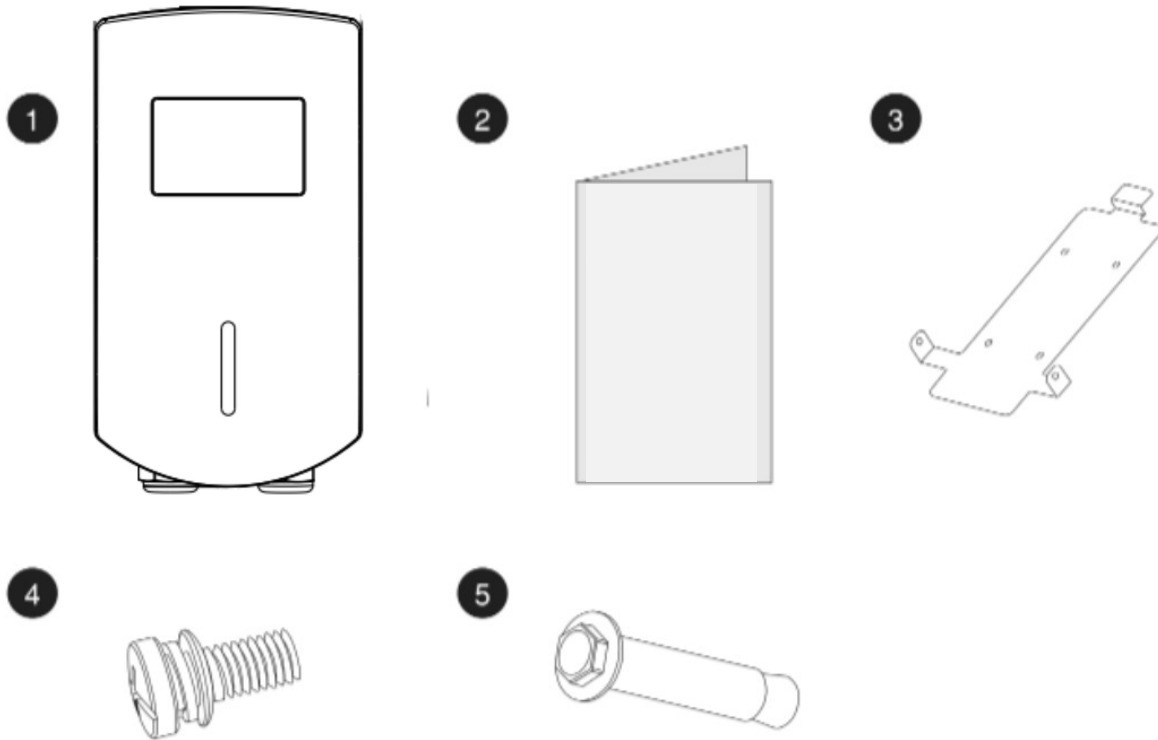
-  **CAUTION:** Avoid moisture or water in the charger. If there is water or moisture ingress in the charger, it is necessary to immediately power off to avoid immediate danger, and notify the professionals to carry out maintenance before next use.
-  **CAUTION:** Please use the charger properly. Do not hit or press hard on the enclosure. If it is damaged, please contact a professional technician.
-  **CAUTION:** Avoid placing the charger near hot objects and at high temperature locations and away from dangerous substances such as flammable gases and corrosive materials.
-  **CAUTION:** Do not put heavy objects on the charger to avoid danger.

USER MANUAL

<u>Design Safety Standards</u>
UL2594: Electric Vehicle Supply Equipment
UL 2231-1: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: General Requirements
UL 2231-2: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: Particular Requirements for Protection Devices for Use in Charging Systems
UL 2251: Plugs, Receptacles and Couplers for Electric Vehicles
UL 62: Flexible Cords and Cables
UL 991: Tests for Safety-Related Controls Employing Solid-State Devices
UL 1998: Software in Programmable Components
NFPA 70 Article 625: National Electrical Code, Electric Vehicle Charging System
UL840 (Clearance and Creepage)

Packing List

Check the box to ensure the installation manual and the following parts are enclosed



#	Name	Qty	Description
1	AC charger	1	EV260 with charging cable
2	Installation Manual	1	Installation Manual
3	Wall-mounted bracket	1	For mounting the charger to wall or pedestal
4	MS teeth screws	2	For securing the charger to the Mounting Bracket
5	M6 hexagonal expansion screws	4	For installing the Mounting Bracket to the wall or pedestal

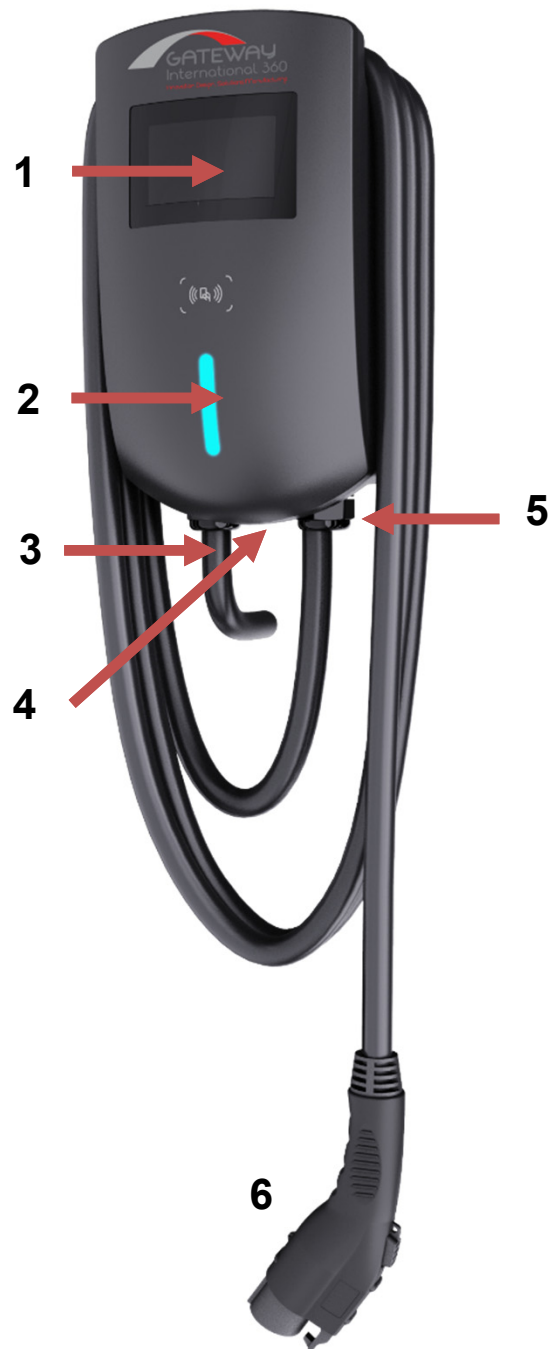
USER MANUAL

Packing List

Model Number	GW-EV260 series
Rated Input Voltage	200-240
Rated Output Current	16/32/40/48A
AC Power Frequency	60 Hz
Input Protection	UVP, OVP, RCD, SPD, Ground Fault Protection
Output Protection	OCP, OTP, Control Pilot Fault Protection
Output Interface	SAE J1772AC Charging Connector
Storage Temperature	-40°F to 167°F
Operation Temperature	-22°F to 122°F
Relative Operation Humidity	95% RH Maximum
Relative Storage Humidity	95% RH Maximum
Network Connection	LAN
Internet Function	10M / 100M Base-T
Wi-Fi Function	802.11 b/g/n
3G/4G Function	GSM/3G/4G
Cable Length	18ft or custom length
Protection Level	Type 3
Installation Type	Wall-Mounted (pedestal optional)
Altitude	≤ 6561ft
Status Indication	Red, Green, Blue LED
Compliances	cETLus (Tested to UL Standards UL2594, UL2231-1 and UL2232 -2), FCC

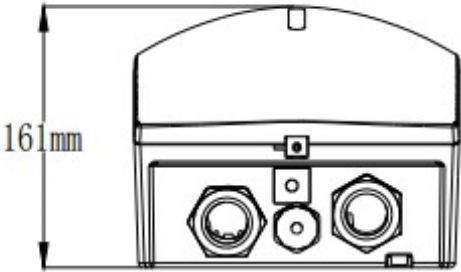
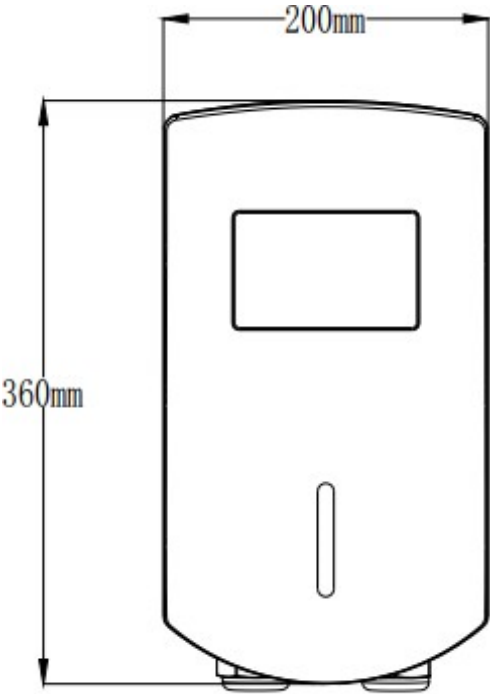
Device Layout/Basic interface

1. LCD Screen
2. LED Light Indication
3. AC Power Inlet
4. LAN Cable Inlet
5. Charging Cable Inlet
6. AC Charging Connector



USER MANUAL

Dimensions



Installation Instructions

Safety Requirements

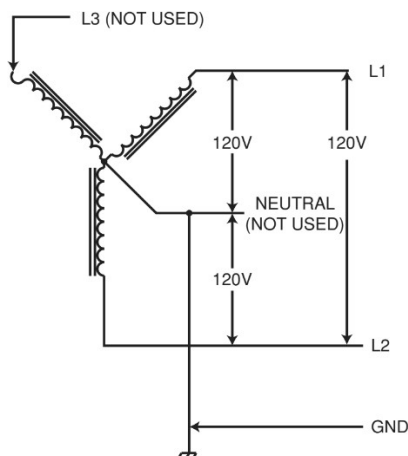
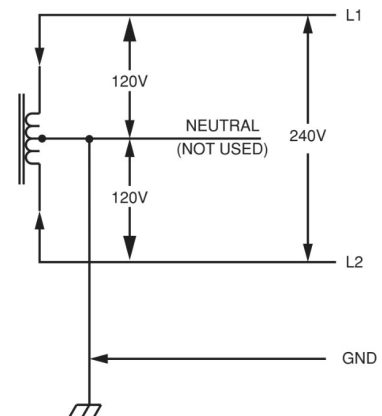
- Be sure to preview the user manual and ensure local building and electrical codes are reviewed before installing the AC charger.
- The AC charger should be installed by a qualified technician according to the user manual and local safety regulations.
- Use appropriate protection when connecting to the main power distribution cable.
- Type B, C or D breaker with the rating current for a table should be installed in the upstream AC distribution box.
- The miniature circuit breaker for each non-earthed conductor of AC input should be purchased by the customer.

Circuit breaker options				
Charging capacity	3.8kW	7.6kW	9.6kW	11.5kW
Output amperage	16A	32A	40A	48A
Circuit breaker options	20A	40A	50A	60A

Wiring

240V Single Phase -

WARNING: The two phases used must each measure 120V to Ground. Earth ground must be connected to neutral at only one point, usually at the breaker panel.



208V 3-Phase, Wye-Connected -

WARNING: The 208V feed is from a y-connection power grid, and the AC charger can connect to L1 and L2, L2 and L3, L1 and L3. Earth ground must be connected to neutral at only one point, usually at the breaker panel. Leave the unused leg open. Do not connect it to a Neutral bar, or to the ground. Be sure the centre point is Earth ground somewhere in the system.

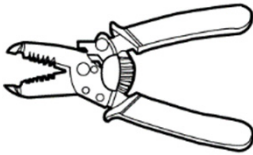
USER MANUAL

Gather Tools

Tools required before installing the Wall-Mounted charger, gather the following tools:

1. Wire stripper
2. Adjustable Wrench
3. Voltmeter or digital multi-meter (for measuring AC voltage at the installation site)
4. Level
5. Pencil or marker
6. Drill
7. Phillips screwdriver

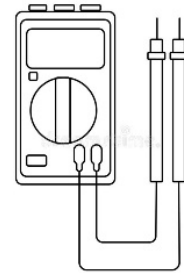
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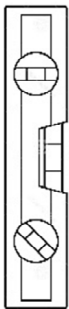
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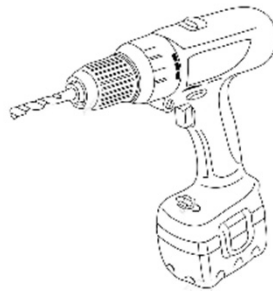
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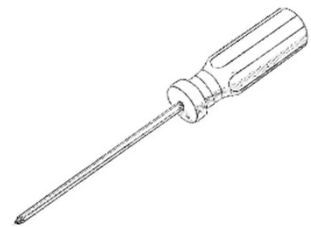
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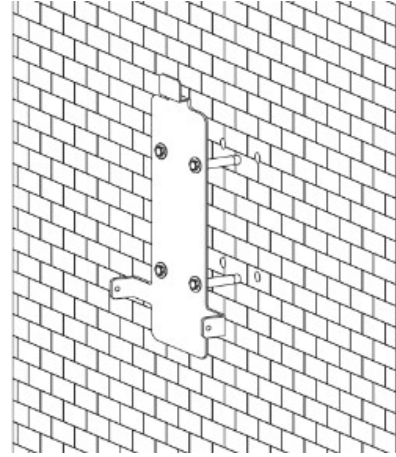


Note: The above tools are very important, please gather them all.

Wall mount Bracket Installation

STEP 1

- Set the positions of the four (4) screw holes and drill them, with a diameter of .35 in. (9 mm.) and a depth of 2.05 in. (52 mm.).
- Use 4 sets of expansion screws and M6 screws to fix the wall-mounted bracket on the wall.







STEP 2

- Align the rear notch of the charger into the wall-mounted bracket and fit the screw holes on the right and left side.

STEP 3

- Fix two M5 screws to complete installation

Interface – LED States

LED states	Description
	Standby - Solid Blue The blue light stays steady in standby mode.
	Waiting to Charge – Solid Green After the vehicle connector is connected to the vehicle inlet, the green light is constantly lit.
	Charging in progress – Green Blinking The green light flashes while charging.
	Fault – Solid Red The red light is lit while faulting. Please refer to "Error and Warning Messages" for detailed information.

Operating Instructions

Description of the charging process

Before you start, ensure you install the Heycharge app installed on your phone: www.heycharge.com/app and the phone's Bluetooth is on.

All app actions described below need to be done near the charger while it is in your Smartphone Bluetooth coverage area

It could take up to 10 seconds lag between tapping the button in the app and action taking effect on the charger hardware.



heycharge.com/app

STEP 1

Ready to operate:

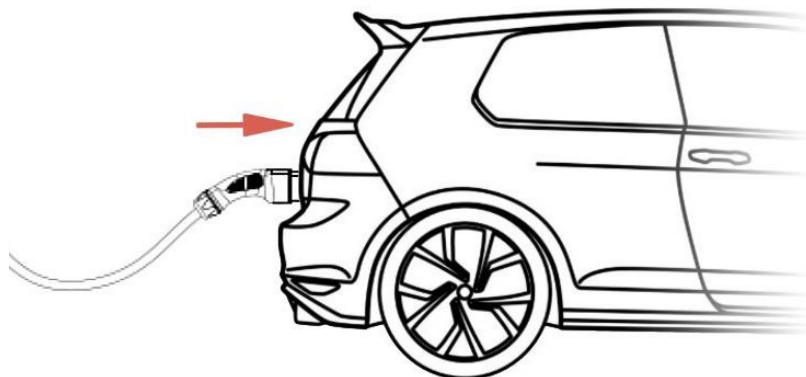
Make sure the charger is powered on and the LED indicator is constant blue.

STEP 2

Connect your vehicle

Please plug the charging connector into the vehicle charging inlet.

The charger LED will change its colour to solid green after your vehicle is detected by the charger



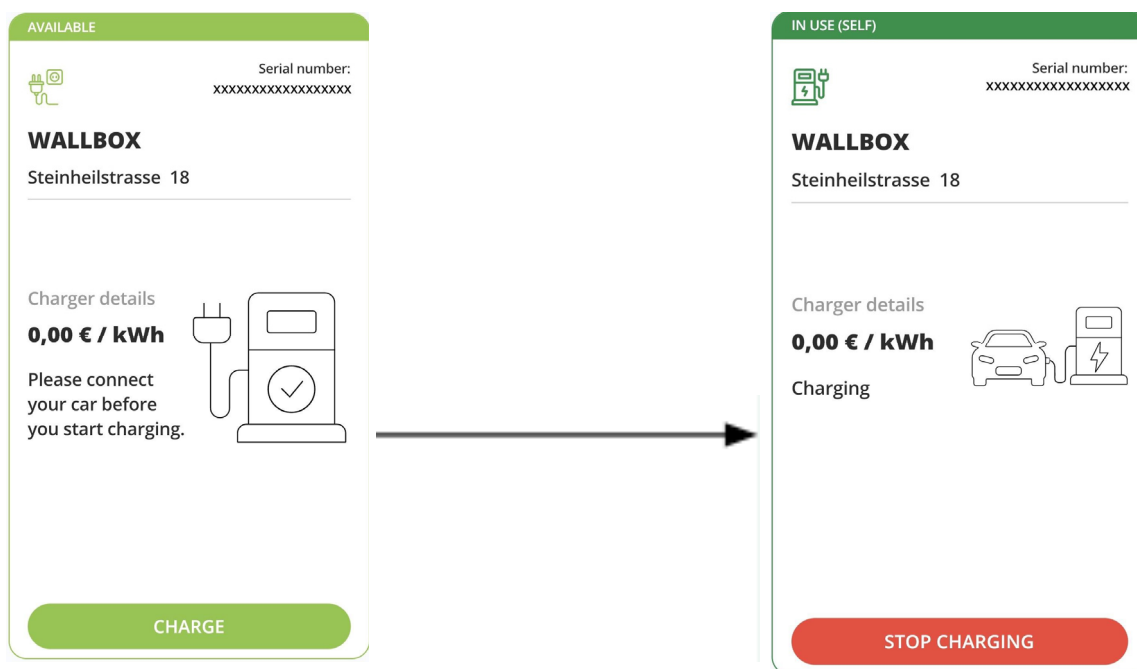
USER MANUAL

Operating Instructions - continued

STEP 3

Start Charging:

Open Heycharge app and choose a charger from a list if there is more than one in range. You can recognize the exact charger by its serial number or property address.



Tap the Charge button:

Tap the CHARGE button to begin charging. After the charging process has started the button will change to STOP CHARGING and the cable will be locked to the charger.

Operating Instructions - continued

STEP 4

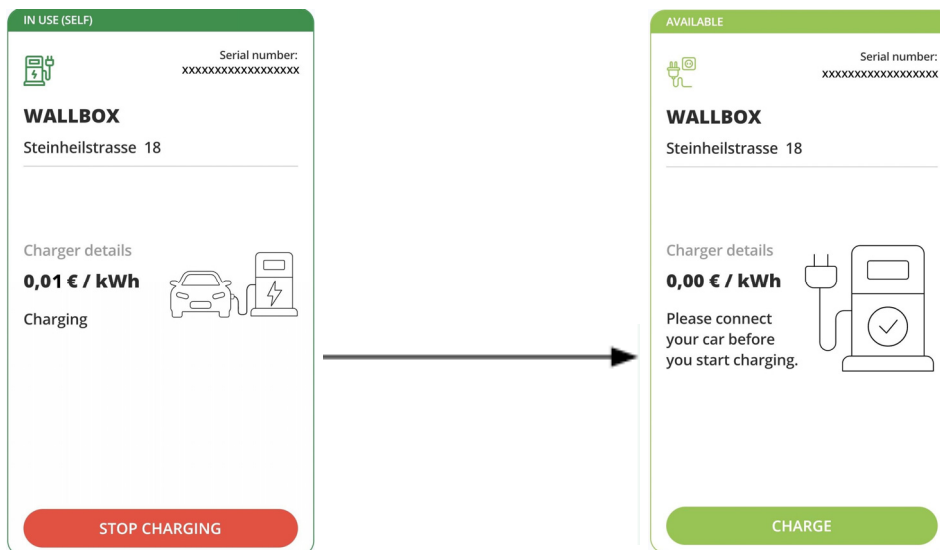
Charging:

The LED indicator will become blinking green as soon as charging starts.

STEP 5

Finish Charging:

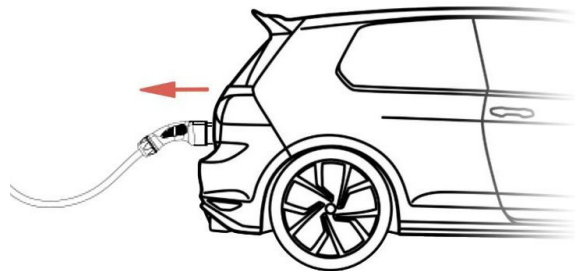
To finish charging choose the charger in the app and tap the STOP CHARGING button. After that charging process will stop, the LED indicator will stop blinking and become solid green.



STEP 6

Disconnect Vehicle:

Remove the cable from the vehicle. After that, the LED indicator will be changed from solid green to solid blue.



USER MANUAL

Errors and Faults

Status	Red	Remark
Input OVP	1 flash - followed by 3 sec. pause	Auto Recover
Input UVP	2 flashes - followed by 3 sec. pause	Auto Recover
Output OCP	3 flashes - followed by 3 sec. pause	Auto Recover
OTP	4 flashes – followed by 3 sec. pause	Auto Recover
RCD Abnormal	5 flashes – followed by 3 sec. pause	Auto Recover
Ground Fault	6 flashes – followed by 3 sec. pause	Auto Recover
Control Pilot Fault	Flickering	Auto Recover
MCU Self-Test Fail	Constantly bright	Contact customer service
RCD Self-Test Fail	Constantly bright	Contact customer service
Relay Self-Test Fail	Constantly bright	Contact customer service
RCD Abnormal - Stop Charging	Constantly bright	Contact customer service
Output OCP - Stop Charging	Constantly bright	Contact customer service
OTP Stop Charging	Constantly bright	Contact customer service

Maintenance & Repair

Daily maintenance

- Please keep the charger clean and keep the charge in a clean area with low humidity. Do not install it in an environment near the sea, with high oil, high humidity or high dust.
- Avoid moisture or water in the charger. If there is water or moisture ingress into the charger, it is necessary to immediately power off to avoid immediate danger and notify the professional personnel to carry out maintenance before the next use.
- If there is any damage or dirt on the vehicle connector, charging cable, or vehicle connector holder, please contact the maintenance personnel immediately.
- Please use the charger properly. Do not hit or press hard on the case. If the case is damaged, please contact a professional technician.
- Avoid placing the charger near hot objects and at high-temperature locations and away from dangerous substances such as flammable gases and corrosive materials.
- Do not place external objects or heavy objects on the charger to avoid danger.

Maintenance & Repair - continued

Warranty and maintenance

- The warranty period for this charger is three years.
- After the event of any repair or maintenance under the warranty period, if there is no purchase to extend the warranty service, Joint Technology shall provide a three-month warranty period for any subsequent paid repair work.
- During the warranty period for any malfunction caused by normal use according to the User Manual and Service Instruction (to be determined by certified maintenance technicians of Joint Technology), the product shall be repaired free of charge. Except for the following situations, the charger shall be subject to the above warranty terms:
 1. The warranty certificate cannot be provided or the contents of the warranty certificate are modified or inconsistent with the label indication of the repaired product.
 2. Those who are unable to provide valid proof of purchase.
 3. Those who exceed the manufacturer's specified warranty period.
 4. Those who damage the product due to not following the product service instruction for use, maintenance and storage.
 5. Damage or malfunction caused by foreign object entering.
 6. Unauthorized repair, disassembly or modification.
 7. Damage caused by force majeure (such as lightning, excessive voltage, earthquake, fire, flood, etc.).
 8. Malfunction and damage caused by other unavoidable external factors. Malfunction and damage caused by improper use of equipment, such as water or other solutions entering into the equipment.
 9. Malfunction and damage caused by the grid power supply and voltage which is not specified for use with the charger equipment.
 10. The above guarantees shall be made solely, and no other express or implied warranties shall be made (including the implied warranties of merchantability, particular and applicable reasonableness and adaptability, etc.) whether in the contract, civil negligence.