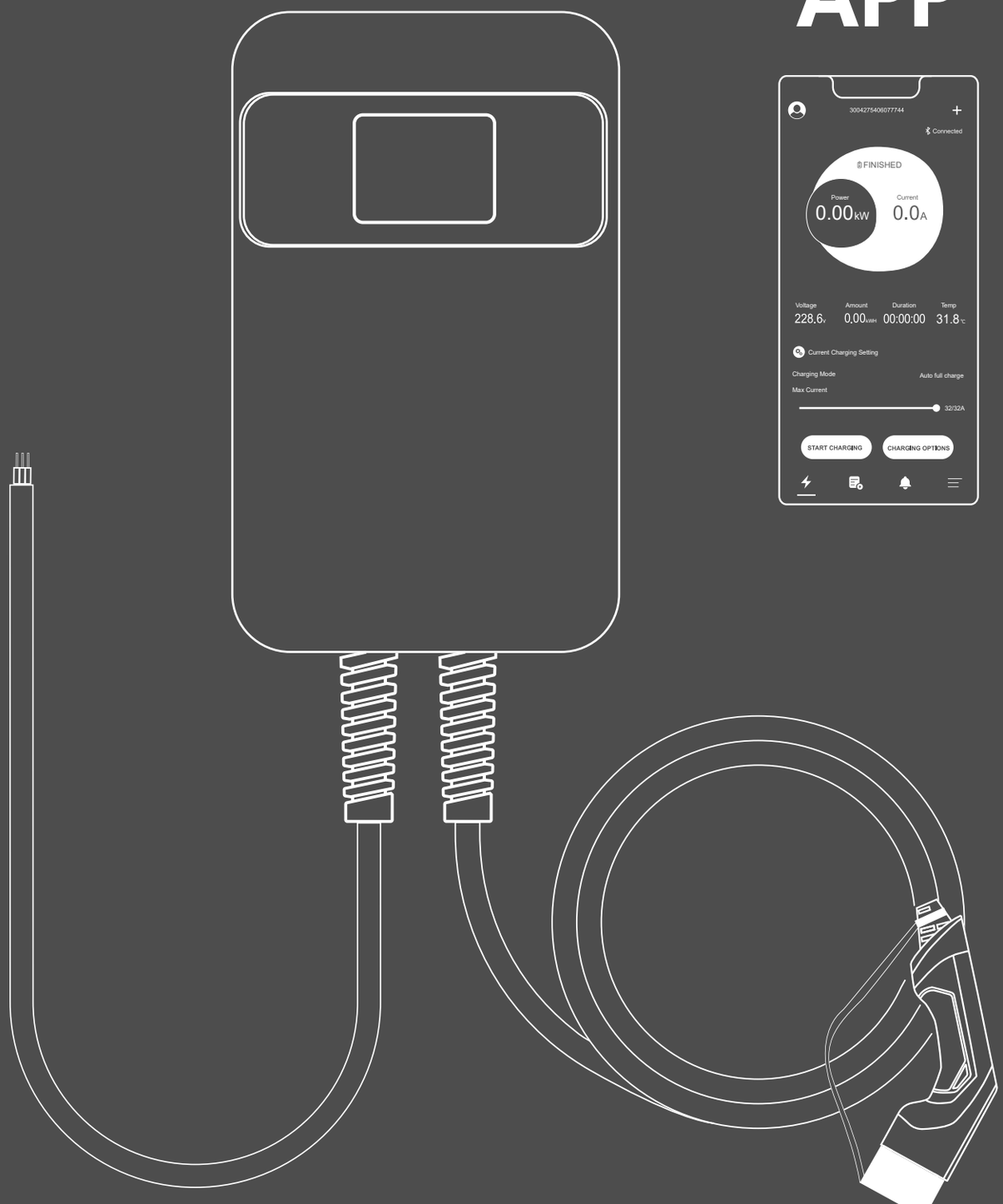
QUICK USER GUIDE

EV Charging Station

Model: SQ20

APP VERSION



APP

Type1-North American Standard

Type 2-European Standard

DOWNLOAD AND CONNECT

iOS

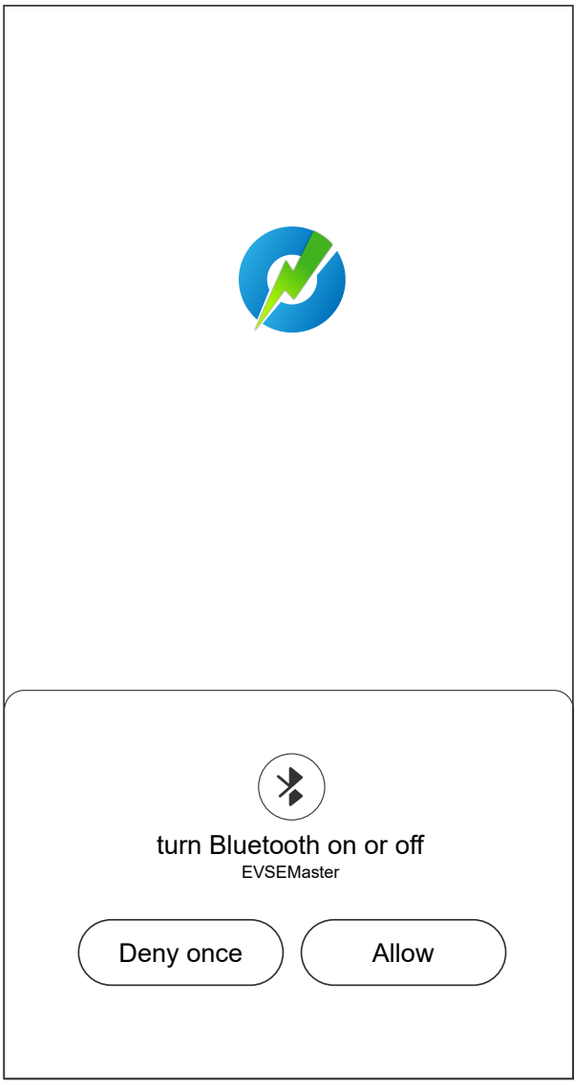
Please search for 'EVSEMaster' on App Store.

Android

Please search for 'EVSEMaster' on Google Play.

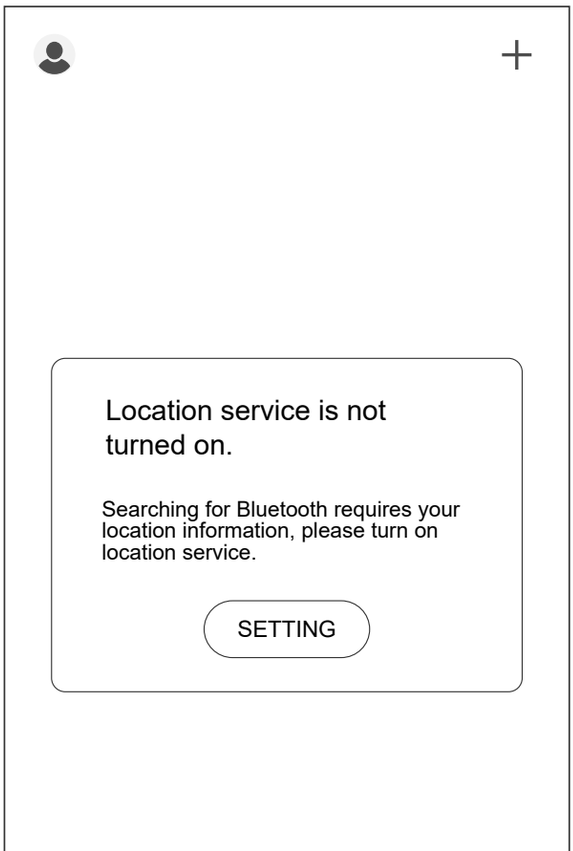
Guide to turn on the Bluetooth page

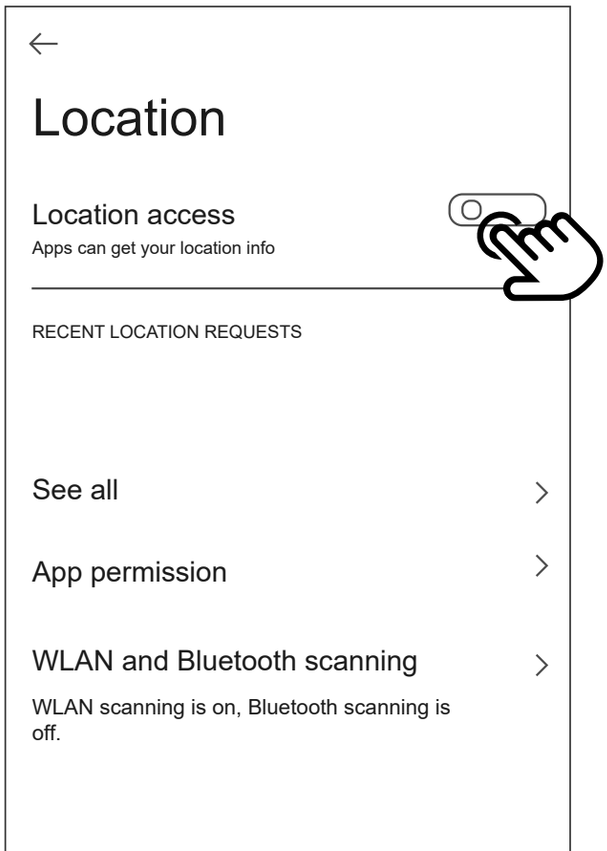
When searching for charging stations, if Bluetooth is not turned on, it will prompt to turn on Bluetooth:



Guide to turn on the location page

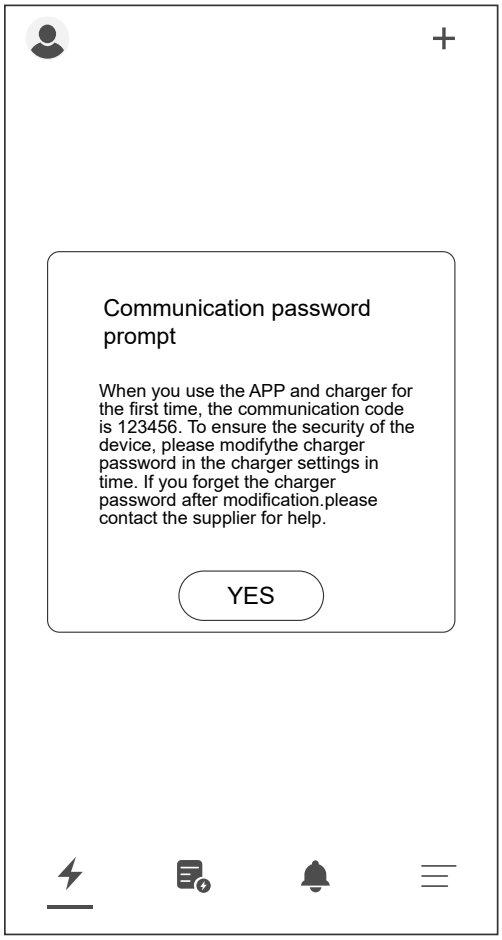
When searching for the charging station, if the location service is not turned on, it will prompt to turn on location access:

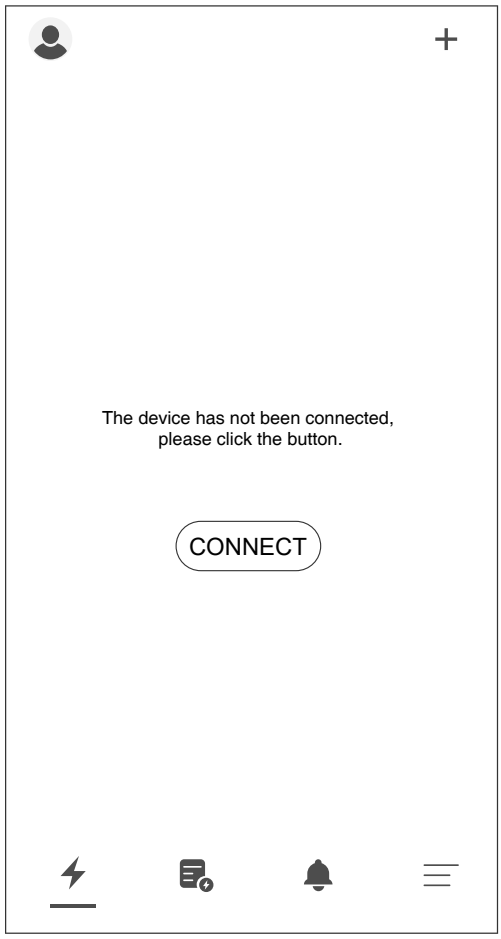


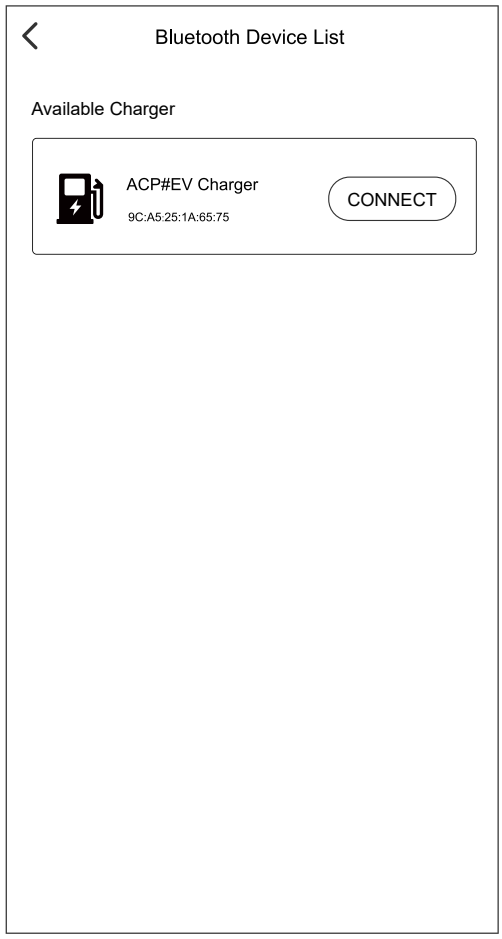


First connection

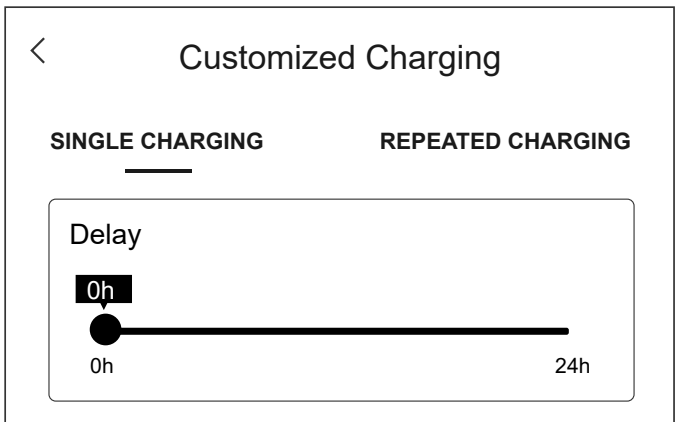
Bluetooth must be used for the first connection.





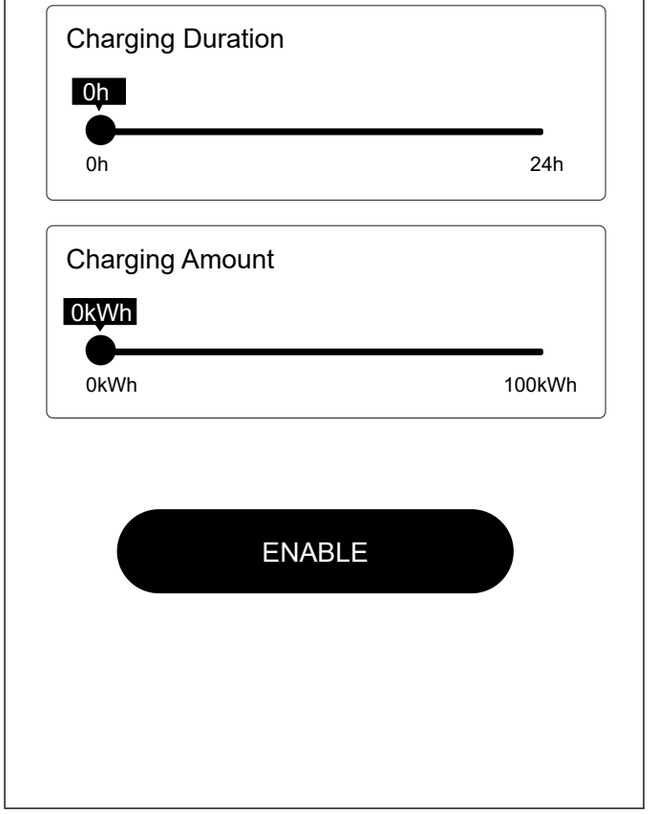


Customized charging-Single charging



There are three parameters that can be set for a customized single charging.

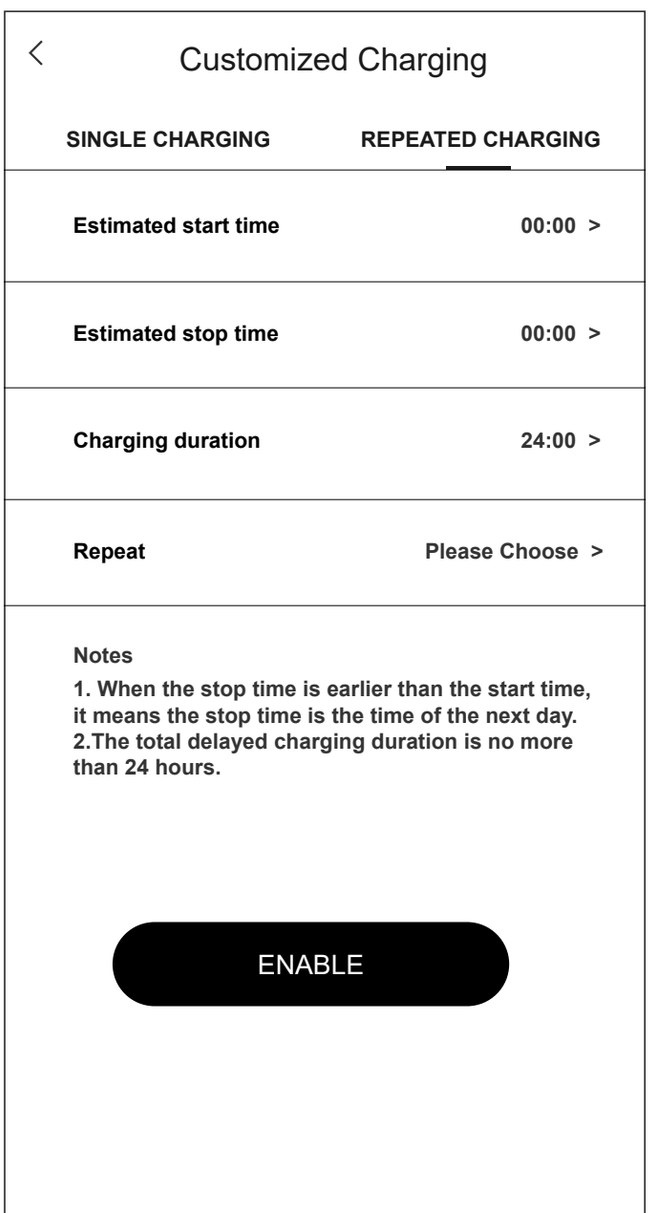
1. Delayed charging: Schedule the charging start time.Maximum is 24 hours later.



2. Charging duration: Set the maximum charging duration, after which the charging station will automatically stop charging.

3. Charging amount: Set the maximum charging amount, beyond which the charging station will automatically stop charging.

Customized charging- Repeated charging



There are four parameters that can be set for customized charging.

1. Cycle start time: Set the time at which to start charging.

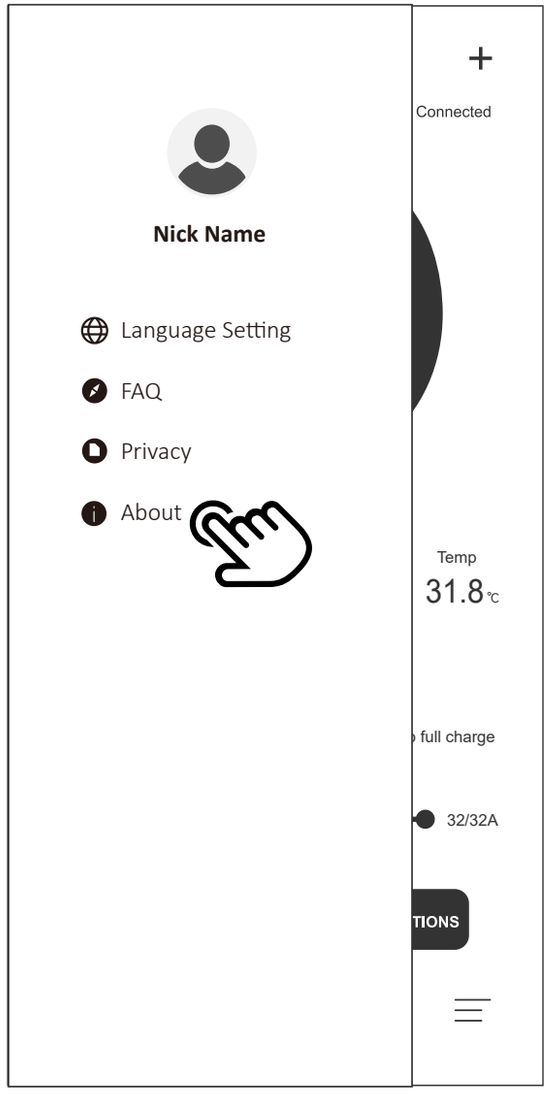
2. Cycle stop time: Set the time at which to stop charging.

3. Charging duration: Set the maximum charging duration, after which the charging station will automatically stop charging.

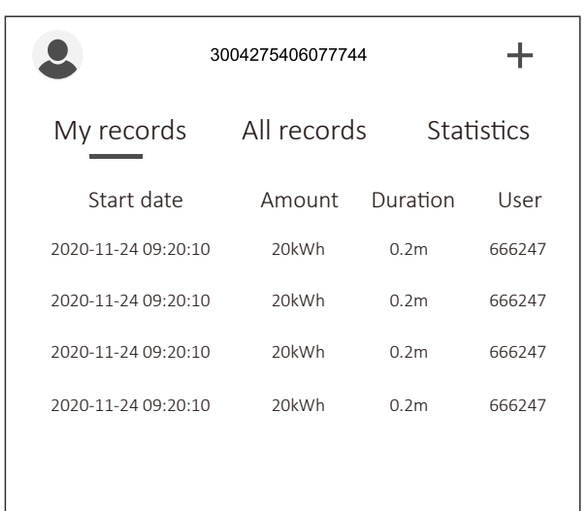
4. Cycle repetition time: Set the days of the surrounding cycle to repeat, and you can select part or all of it.

User settings

The user settings page includes Nickname, Language Setting, FAQ, Privacy, and About.



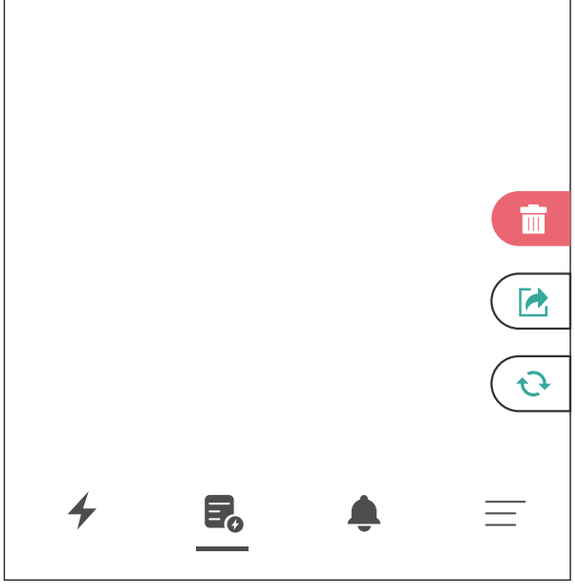
Charging records-My records



1. My records
Only the charging records of the user of this APP are counted.

2. All records
All the charging records in the charging station are counted.

3. Charging statistics
The charging duration and the charging amount can be counted monthly and daily, and displayed in a bar graph.

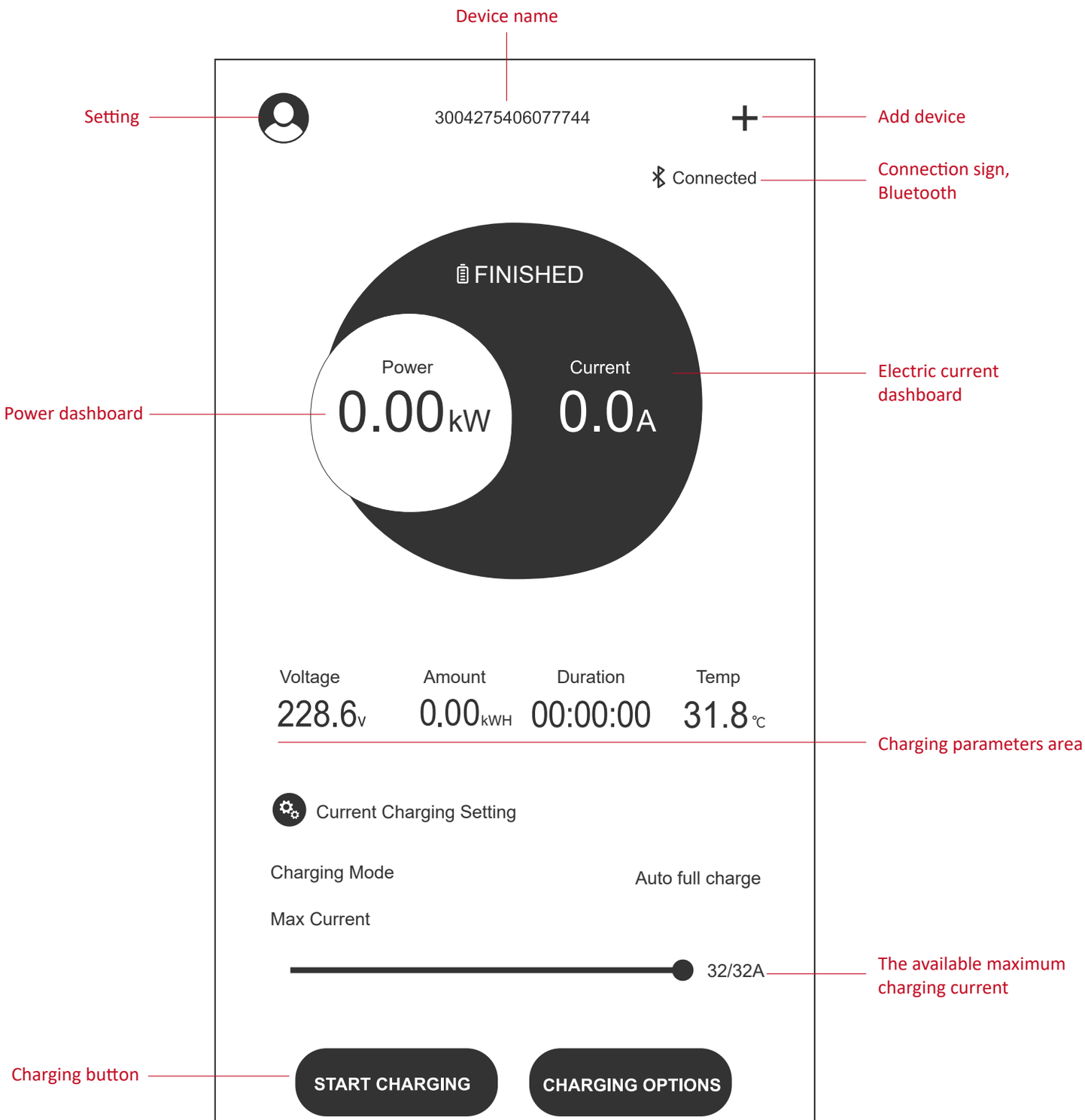


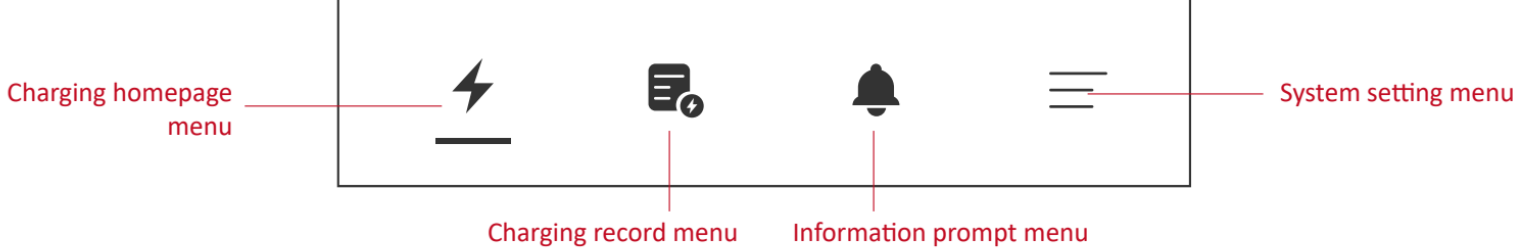
4. The record with a delete button
The record stored in the mobile APP will be deleted, while the record of the charging station will not be deleted.

5. Record synchronize button
When the mobile phone needs to synchronize the record of the charging station, you can press this button for the synchronization, which will take a certain amount of time.

6. Record derive button
Records will be generated into a file which can be derived to other softwares through sharing.

APP function introduction

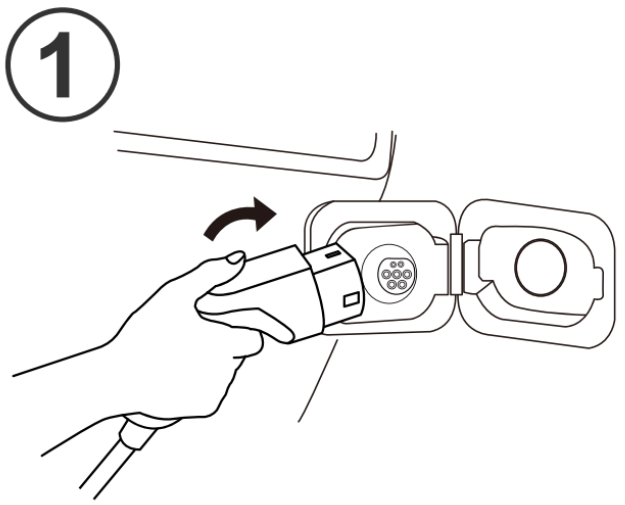




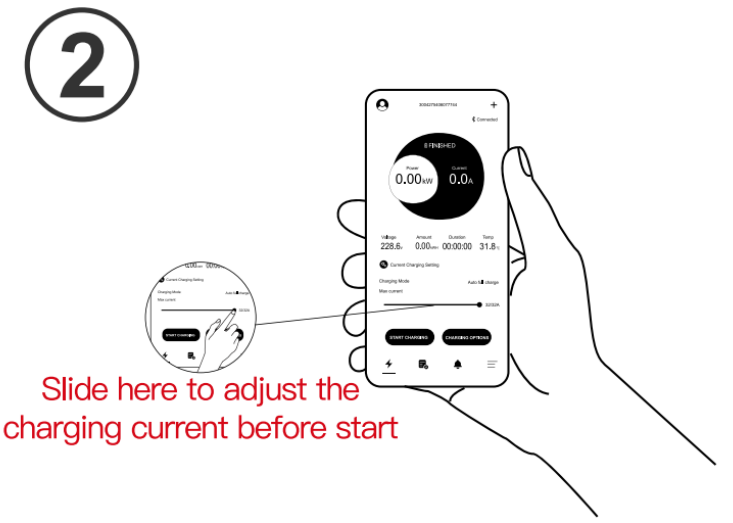
The charging parameter settings can be saved in the APP, and the set data will be automatically used for each charging parameter.

The main three charging parameter settings include:
1. Set delayed charging
2. Set the charging duration
3. Set the maximum charging current

INSTRUCTION FOR USE

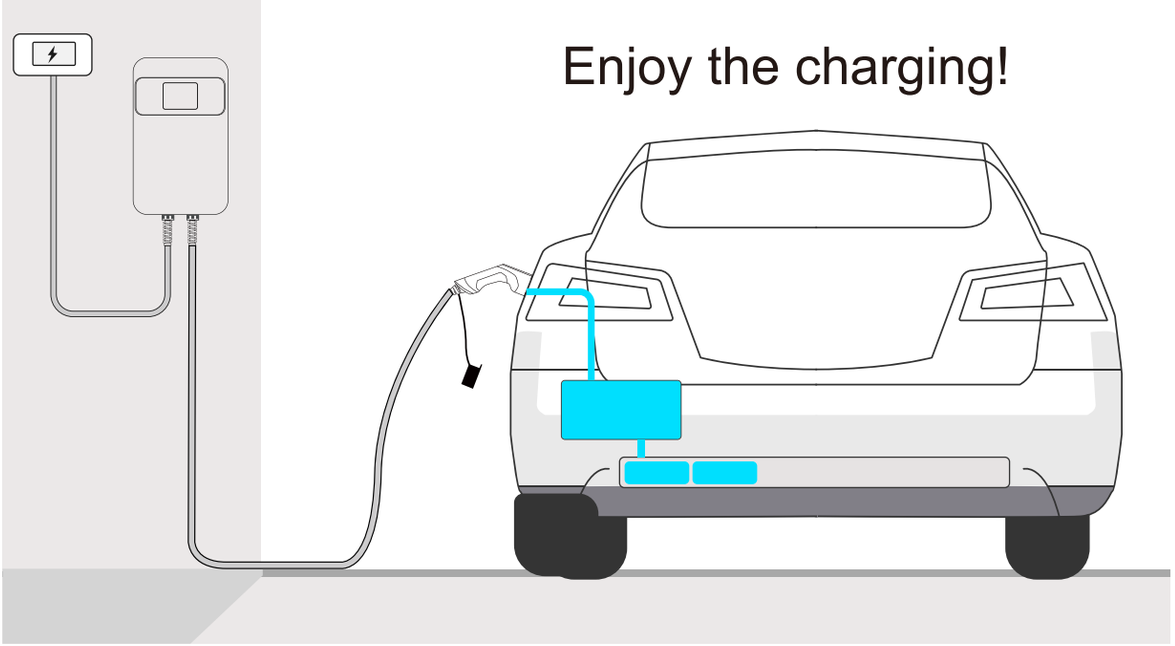


Plug into your EV



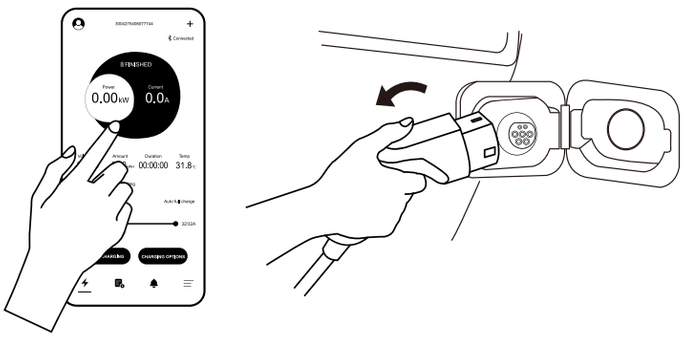
Use the APP to initiate charging

③



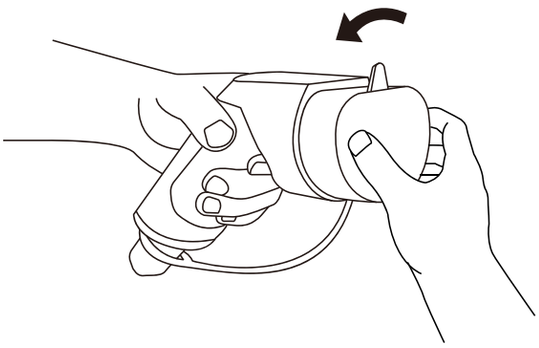
Enjoy the charging!

④



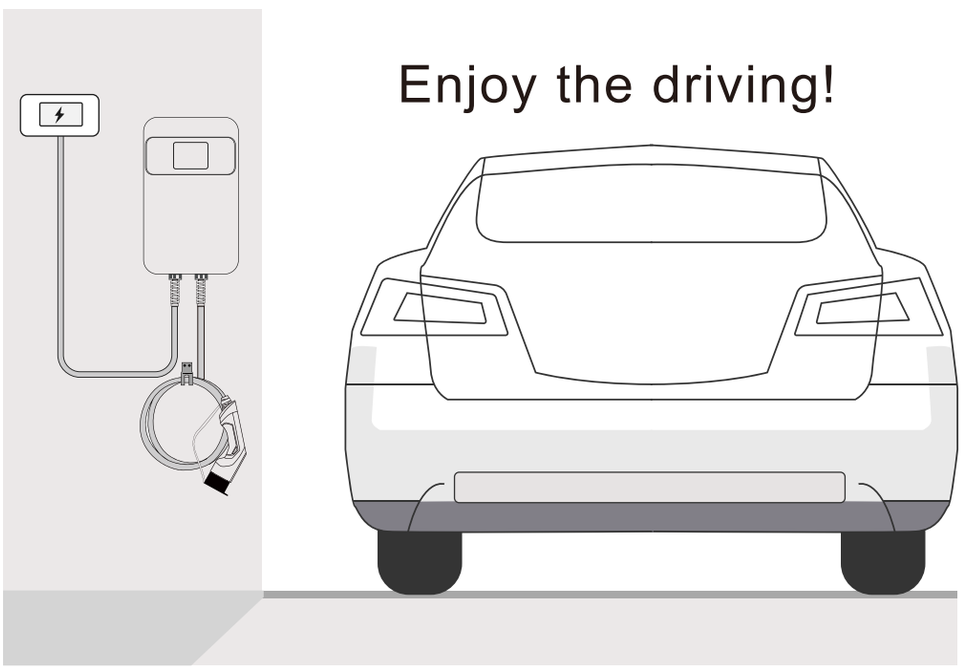
Use the APP to stop charging, then disconnect the charging connector

⑤



Put back the protection cover

⑥



Enjoy the driving!

LED DISPLAY STATUS

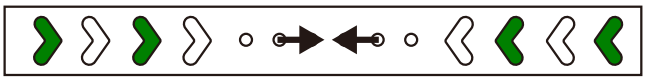
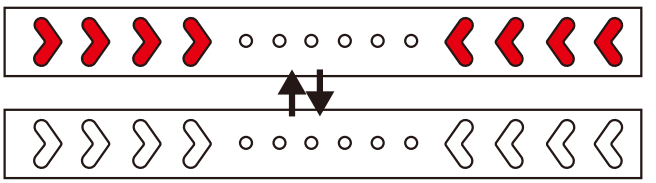
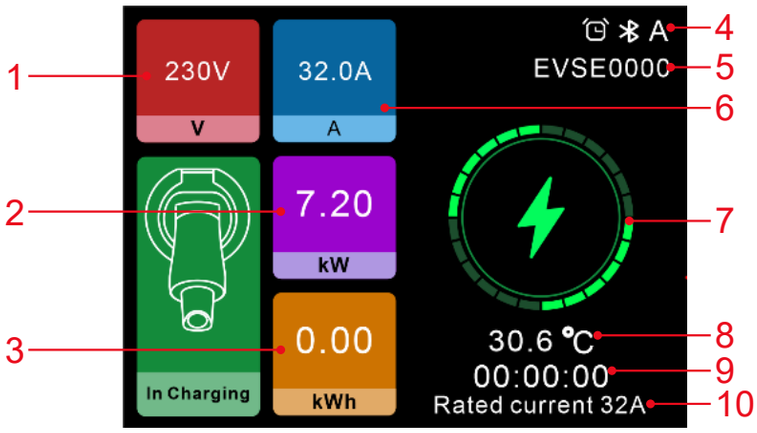
Status	LED Indicator
Disconnected Green lights at both ends on	
Connected All greenlight on	
Charging Green light scrolling	
Charging Complete All green light on	
Fault Red light flashing	

ILLUSTRATION OF SCREEN

APP Version

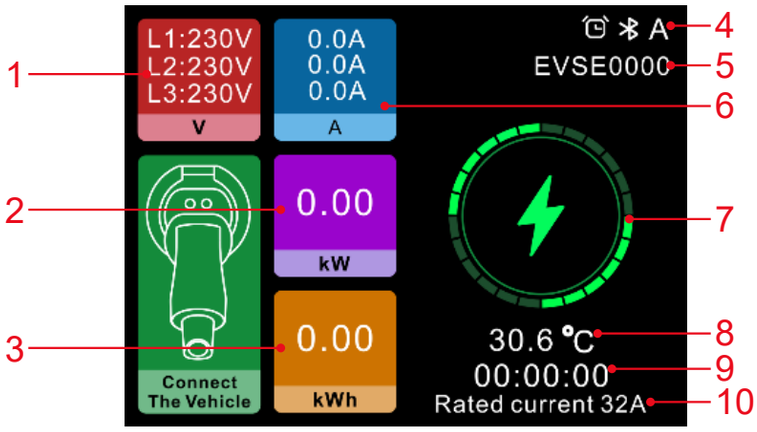
Single-Phase

1. Real-time voltage



2. Real-time power
3. Charging amount
4. Charging reservation、Bluetooth、Charging mode
5. Bluetooth name
6. Real-time current
7. Chagring icon
8. Working temperature
9. Charging duration
10. Rated current

Three-Phase



1. Real-time voltage for each phase
2. Real-time power
3. Charging amount
4. Charging reservation、Bluetooth、Charging mode
5. Bluetooth name
6. Real-time current for each phase
7. Charging icon
8. Working temperature
9. Charging duration
10. Rated current

GOOD TO KNOW

1. This is a Mode 2/ Level 2 EV charger for EVs with Type1/Type2 inlets. Don't use it for EVs with other types of inlets.

2. This charger has complicated internal structure. Any questions, please contact our Customer Service first. Please do not take it apart without any professional technical support.

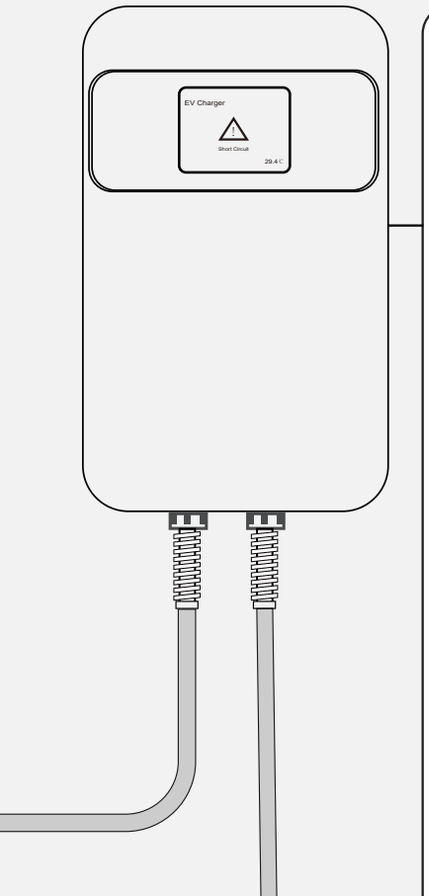
3. Don't use it in the water.

4. This product is only for EV charging. Please don't use it for any other purposes, including hauling, binding and so on.

PROFESSIONAL SPECIFICATION

Model	SQ20	Certificate	CE/RoHS
Protection	IP66	Operating Current	32A (MAX)
Voltage Range	230V±10% 50Hz /60Hz (Single-phase) 400V±10% 50Hz /60Hz (Three-phase)	Maximum Power	22kW
Auto Charge Recovery	Yes	Current Adjustable	Yes
Warranty	2 Years	Service Life	>50000 times
Insulation Resistance	>10MΩ	Withstand Voltage	2000V
Inlet Cable Spec	5*6mm^2	Shell material	ABS+PC Plastic
Contact Impedance	0.5m Ω Max	Cable Diameter	16.5(mm)/0.65(in)
Working Temperature	-25°C~+40°C	Contact Pin	Copper alloy, silver or nickel plating

SAFETY PROTECTION REPORTING DISPLAY



Leakage Protection

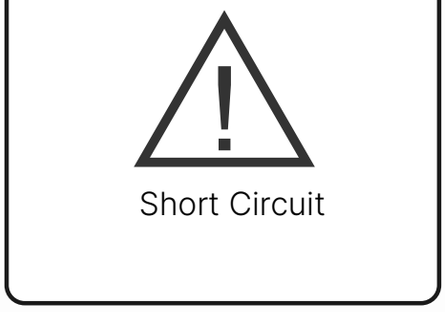
Over Current

Leakage Protection

1. Check whether there are any foreign objects or water in the charging plug or vehicle socket.
2. Unplug and reconnect. If the fault persists, please check the entire charging circuit before trying again.
If the problem remains after multiple attempts, please stop using the charger and contact the after-sales personnel.

Over Current

1. Check the selected power. Try again with higher current and restart.
2. If the above operation does not work, try to charge your vehicle with another AC charger. If your vehicle works well, please stop using the charger and contact the after-sales personnel.

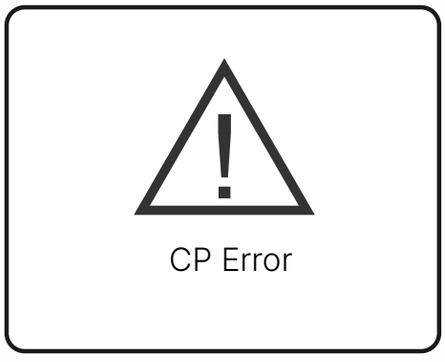


Short Circuit

1. Check the selected power. Try again with higher current and restart.
2. If the above operation does not work, try to charge your vehicle with another AC charger. If your vehicle works well, please stop using this charger and contact the after-sales service for help.

Over Temperature

1. The current ambient temperature is too high, so the charger stops to keep you safe.
2. Charging will restart automatically when the temperature returns to appropriate range.



CP Error

Communication error between the vehicle and charger has occurred.
1. Unplug and reconnect. Make sure the plug is completely inserted.
2. If the above operation does not work, try to charge your vehicle with another AC charger. If your vehicle works well, please contact the after-sales personnel.

ABOUT MAINTENANCE

In order to ensure the normal service life of the charger and reduce the risk, maintenance must be performed within the specified time; the maintenance of the equipment needs to be completed by professionals, using qualified and safe maintenance tools.

The product is carefully packed in factory. During transportation, strong impact and bumps should be avoided to prevent damage to the outer packaging of the product.

The product should be placed at an ambient temperature of-25°C +40°C with a relative humidity of less than 95%. The ambient air should not contain acids, alkalis or other corrosive gasesand explosive gases. It should also be away from rain, snow, wind and sand.

OVERHAUL

Mode 2/Level 2 charger has been subject to stringent quality inspections. From the day of purchase, any quality problems during the use of the equipment correctly within two years can be reported to the dealer for the after-sales service.

Any incorrectness to handle, install, misuse, repair the product caused by the user's own neglect or any natural damage resulting in direct damage and failure to the product are not covered by the warranty.

This quality guarantee is only for original buyers.

SECURITY WARNING

⚠ ATTENTION

1. For EV charging only.
2. Do not use if the charger is damaged.
3. Do not use with an extension cord or adapter.
4. Do not open or disassemble any part of the charger.
5. Do not disconnect while charging.
6. Follow the manual instructions carefully for proper use.

⚠ IMPORTANT SAFETY INSTRUCTIONS WARNING!

▲Regularly check whether the charger has visible damage. Using a damaged product may cause electric shock.

▲Make sure that all safety facilities are available at all times and then test regularly to ensure safety.

▲In the case of a ground fault, it is highly probable that the earth wire carries voltage. Please check the circuit and make sure that there is no high-power in the whole circuit system.

▲Before powering on the device, please confirm that it is properly grounded to avoid accidents.

▲All metal parts should be insulated to prevent short circuit caused by the touch of thed tool with the metal frame.

▲Do not modify, retrofit, or change any part by yourself under any circumstances.

▲To ensure a stable service life and operation of the charger, operation enviroment should be kept clean and with constant temperature and humidity. The charging cable must not be used in the presence of volatile gas or flammable atmosphere.

▲Please confirm that the input voltage, frequency, circuit breakers and other conditions have already met the specifications before it is powered on.

NOTE

Please do not use it for other purposes except electric car charging.
Do not try to disassemble the device by yourself under any circumstances. Otherwise, the internal precision parts may be damaged, and you will not be able to apply for after-sales service.

Updated Date: February 19, 2025