



# 22kW AC Portable Charger Instruction Manual(Type2)

Total solutions for the global  
new energy sector



AC CHARGING

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## | Preamble

Welcome to the XT series of charging posts.

In order to help you install, use and maintain the charging post correctly, please read this manual carefully.

Wherever there is a "Caution" notice in this manual, please be sure to follow it carefully to avoid injury or damage to the product. Please refer to the following for the indication of tip types and how to use them:

**CAUTION:** Used to supplement key information and to communicate to you safety warnings about equipment or the environment that, if not avoided, could result in equipment damage, loss of data, degradation of equipment performance, or other unpredictable consequences.

The content of this manual is for reference only and does not constitute any form of commitment, the product (including but not limited to color, size, function, etc.) please prevail in kind. If there is any inconsistency between the contents of the manual and the description on the official website, please refer to the description on the official website without prior notice.

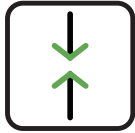
## | Safety Precautions

- Before using the operating charging post, read this manual and follow all safety precautions marked on the equipment and in the manual.
- The safety precautions in the manual do not represent all the safety matters to be observed and are only supplementary to all the safety precautions. The Company assumes no liability for any violation of the general safety operating requirements or for any violation of the safety standards for the design, manufacture and use of the equipment.
- This equipment should be used in an operating environment that complies with the provisions of this manual, otherwise it may cause equipment malfunction, and the resulting abnormal functioning of the equipment or damage to parts, personal safety accidents, and property damage are not covered by the equipment warranty.
- In addition to the standards in this manual, the use of the operating equipment should also comply with the provisions of the relevant national standards in force.
- Radio waves generated by the charging post may affect the normal operation of implanted medical devices or personal medical equipment, such as pacemakers, cochlear implants, and hearing aids. If you use any of these medical devices, consult their manufacturers for restrictions on the use of this equipment.
- Before installing or cleaning the charging post, be sure to turn off the RCBO (residual current operated circuit breaker with overcurrent protection) at the front stage of the charging post.
- Do not install the Charging Station in a strong magnetic field environment or near wireless transmitting equipment.
- Do not install or use the charger in or near flammable, explosive, chemical or vapor environments.
- Do not install or use the charging post in a location exposed to direct sunlight.
- Do not install or use the charging post in bad weather.
- When using the charging post to charge your electric vehicle, please read the relevant tips and instructions for your vehicle carefully.

## | Safety Precautions

- Do not remove markings such as safety symbols, warning notices, nameplates or pipe markings on the charging post.
- Do not spray water or other liquids onto the charging post and do not submerge the charging gun in water.
- Please turn off the electric vehicle/hybrid vehicle please turn off the engine before using the charging post.
- Do not allow children to approach, touch or use the charging post.
- Do not disassemble, repair or modify the charging post by yourself.
- Do not use additional cords, adapters or adaptors.
- Do not insert fingers or sharp objects into any part of the charging post.
- Do not drop, crush or puncture the charging post as this may cause equipment failure.
- Do not fold, crush or damage any part of the charging post with sharp objects.
- Do not use the charging post if it is defective, cracked, otherwise damaged or does not work properly.
- Do not use a private generator as a power source for the charging post.
- Do not connect the charging gun to devices other than the vehicle.

## Key Benefits



Overvoltage Protection



Undervoltage Protection



Lightning Protection



IP65



Overtemperature Protection



Fully Certified



Grounded/Ungrounded



HCI



Overcurrent Protection



OTA



Bluetooth/WIFI



Leakage Protection

## Product List



Production Machine\*1

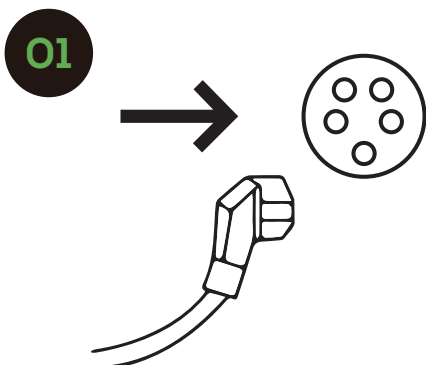


Instruction Manual\*1

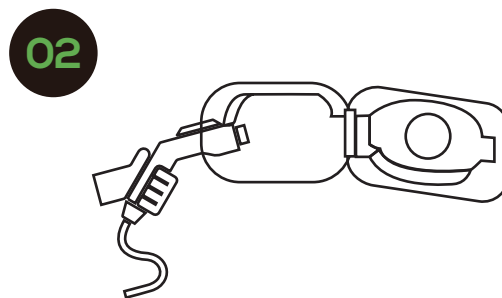


Shipment Inspection Report\*1

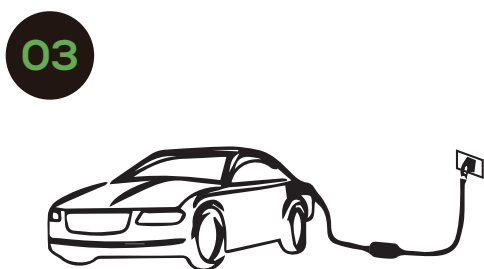
<b>Operating Voltage</b>	400Vac±15%	<b>Overcurrent Protection</b>	≥110% of rated output
<b>Output Current(max)</b>	32A	<b>Leakage Protection</b>	AC/A+DC6mA
<b>Operating Frequency</b>	50/60Hz	<b>CP voltage protection</b>	≥±1V
<b>Rated charging Current (max)</b>	32A	<b>Overtemperature Protection</b>	85°C(protection) 65°C(resumption)
<b>Rated Input/ Output Voltage</b>	400Vac	<b>Lightning Protection</b>	√
<b>Operating Temperature</b>	-25°C~+50°C	<b>Relay Sticking</b>	√
<b>Storage Temperature</b>	-40°C~+60°C	<b>Grounding</b>	√
<b>Overvoltage Protection</b>	≥270v	<b>Undervoltage Protection</b>	≤85v
<b>HCI</b>	Indicator+1.3 Inch Display	<b>Waterproof Rating</b>	IP65
<b>Package Size</b>	40*36*12 cm	<b>Body Size</b>	222*92*70 mm
<b>Input Line Length</b>	0.5 m	<b>Output Line Length</b>	5 m
<b>Net Weight</b>	2.4 kg	<b>Gross Weight</b>	3.1 kg



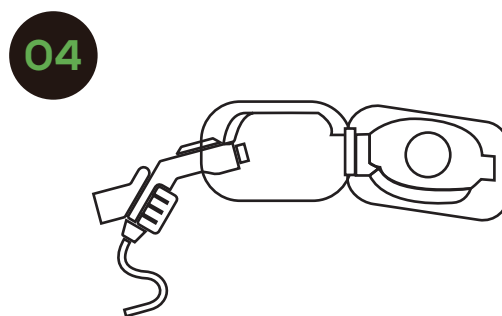
01  
Insert the plug into the power supply.



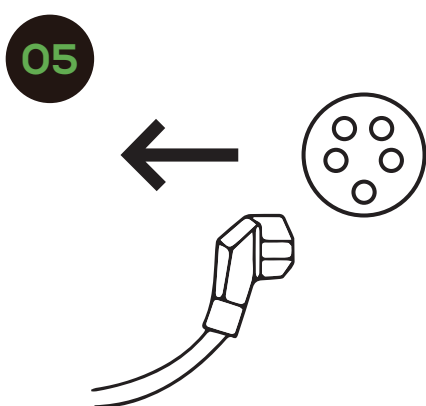
02  
Insert the charging gun into the vehicle plug.



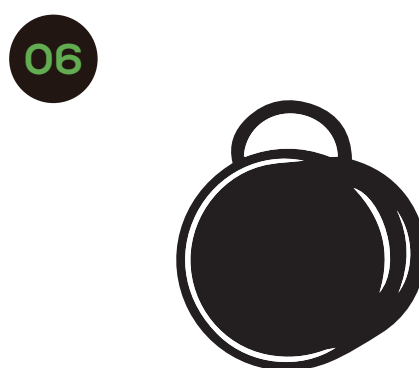
03  
The vehicle is in a normal state of charge.



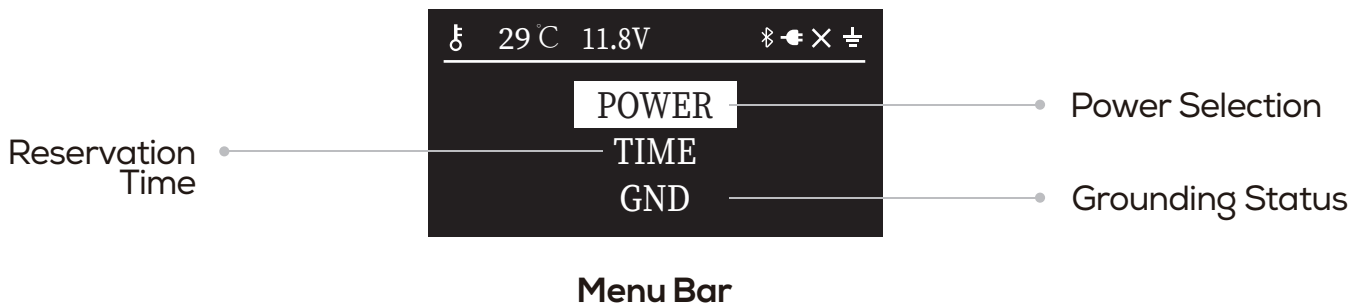
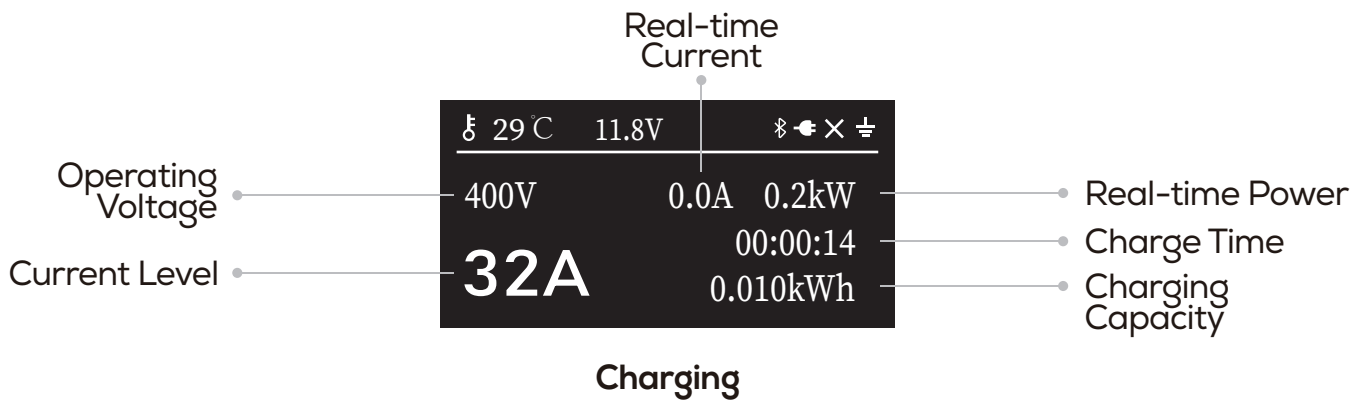
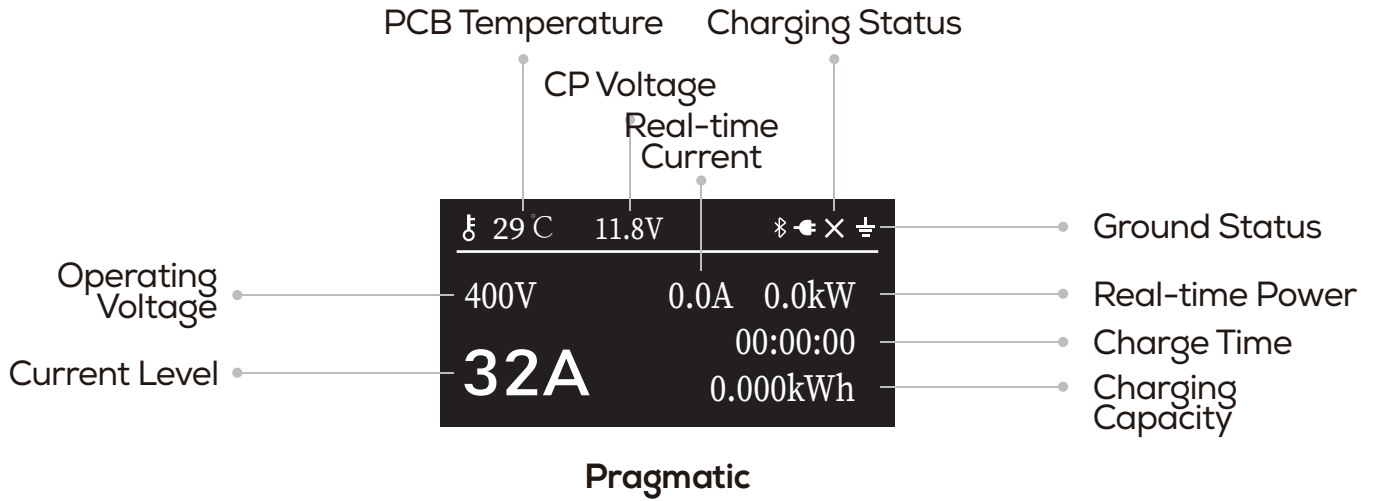
04  
Disconnect the charging gun after finishing charging.

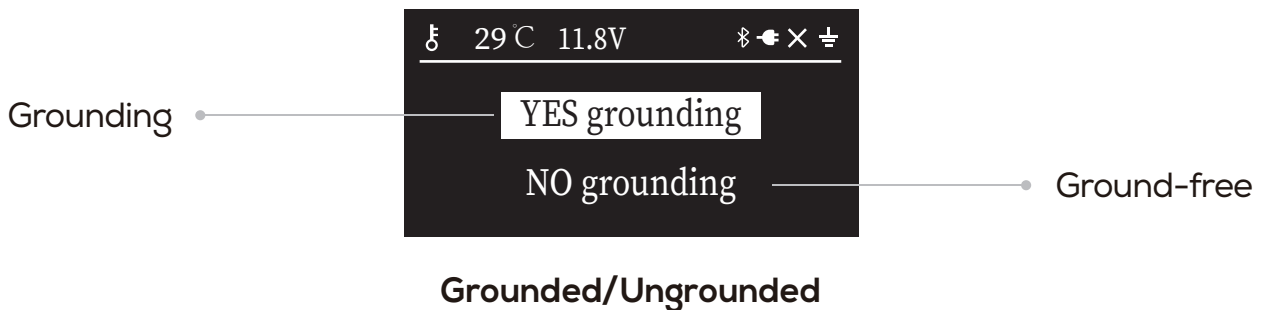
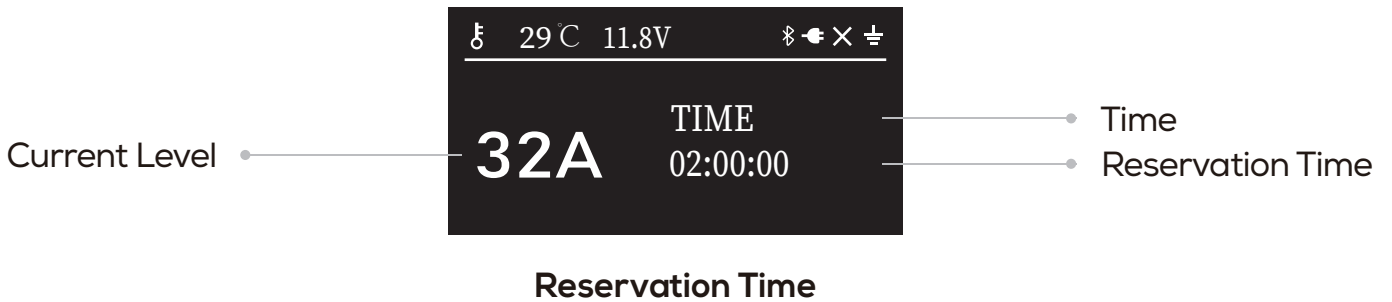
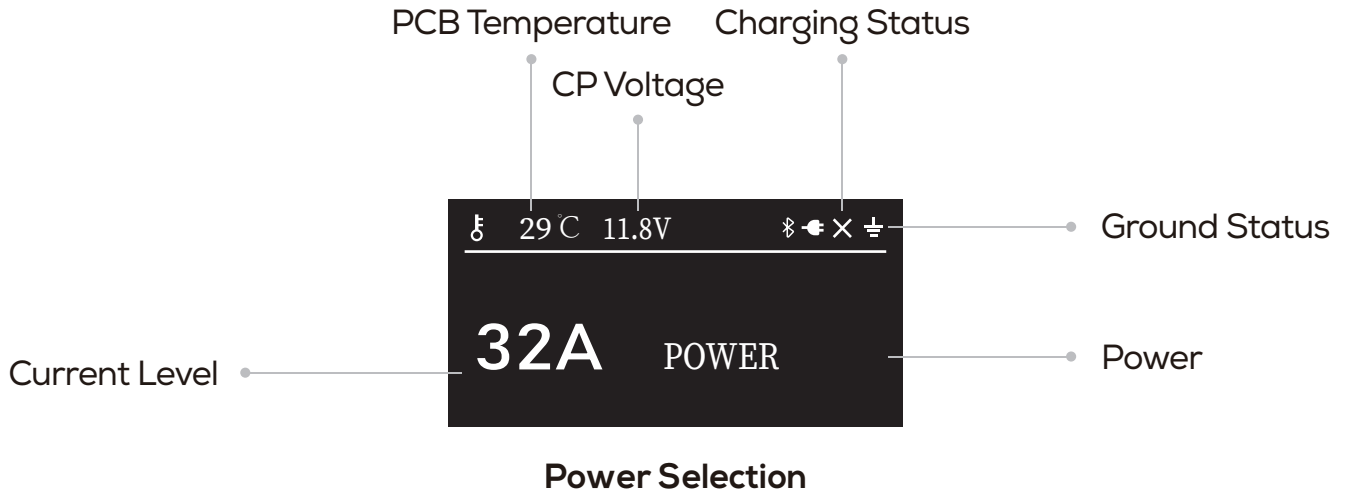


05  
Charging is complete and unplugged.

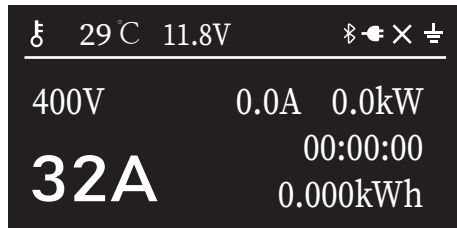


06  
Organize the gun line and put it back in the storage bag.

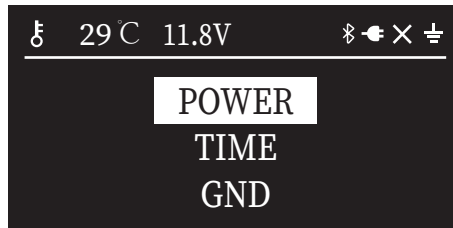




## Selecting The Current Level



Standby Mode



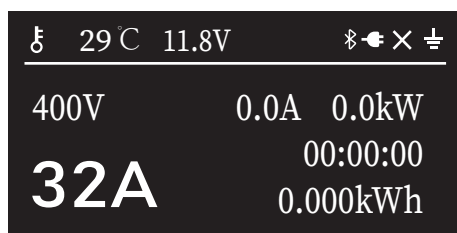
Menu Screen



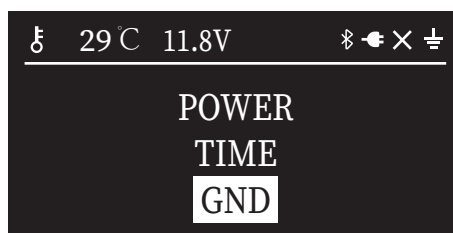
Power Selection Screen

- 1、 Long press the button under [Standby Interface] for 2 seconds to enter into [Menu Interface].
- 2、 Short press the button to switch functions, select [POWER] submenu, long press the button to enter the [power selection interface].
- 3、 Short press the button to switch the current, long press the button to save and exit.
- 4、 In the [power selection interface] 10 seconds of non-operation directly exit without saving.

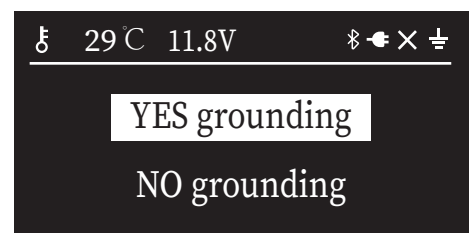
## Grounding



Standby Mode



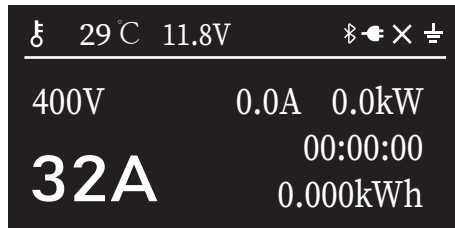
Menu Screen



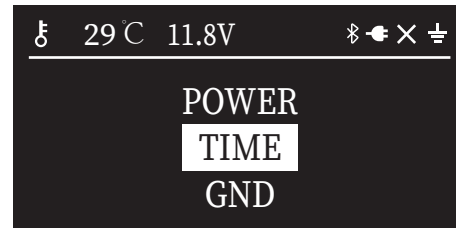
Grounded/Ungrounded

- 1、 Long press the button under [Standby Interface] for 2 seconds to enter into [Menu Interface].
- 2、 Short press the button to switch function, select [GND] submenu, long press the button to enter into the [grounding/ground-free interface].
- 3、 Short press the button to switch grounding/no grounding, long press the button to save and exit.
- 4、 Exit without operation for 10 seconds on the grounding/no grounding interface.

## Select Appointment Time



Standby Mode



Menu Screen



Reservation Screen



Appointment Screen

- 1、 Long press the button under [Standby Interface] for 2 seconds to enter into [Menu Interface].
- 2、 Short press the button to switch functions, select [Appointment Time] submenu, long press the button to enter the [Appointment Interface].
- 3、 short press the button to switch the appointment time (appointment time supports up to 10 hours), long press the button to save and exit to the [Appointment in the interface], insert the gun, start charging after the end of the appointment timing
- 4、 in the [Appointment interface] 10 seconds without operation directly exit
- 5、 Long press the button to cancel the appointment in [Appointment interface].

Working State	Indicator Light Status			Code
	Red	Green	Blue	
Idle	/	Always On	/	/
Insert a Gun	/	Flash	/	/
Charging	/	/	Flash	/
Charging Complete	/	/	Always On	/
Overvoltage Protection	Flash 1 Time	/	/	E01
Undervoltage Protection	Flash 2 Time	/	/	E02
Overcurrent Protection	Flash 3 Time	/	/	E03
PCB Motherboard Over-temperature Protection	Flash 4 Time	/	/	E04
Grounding	Flash 5 Time	/	/	E05
CP Voltage Protection	Flash 6 Time	/	/	E06
Relay Failure	Flash 7 Time	/	/	E07
Leakage Protection	Flash 8 Time	/	/	E08
Relay Sticking Protection	Flash 9 Time	/	/	E09
Abnormal Leakage Self-test	Flash 10 Time	/	/	E10
Vehicle Diode Protection	Flash 11 Time	/	/	E11
Input Plug Temperature Protection	Flash 12 Time	/	/	E12
Output Charging Gun Temperature Protection	Flash 13 Time	/	/	E13
Frequency Anomaly	Flash 14 Time	/	/	E14

Fault Name	Possible Causes Of Malfunctions	Exclusion Suggestions
Indicator light does not come on	Abnormal front-end input power supply	Troubleshoot the front end input power lines.
	Abnormal AC cable (broken, loose, etc.)	Line up the cables.
	Anomalies within the charging pile	Contact Technical Support.
Red Light Flash 1 Time	Input voltage above 265V	Check that the input voltage is in the normal range.
Red Light Flash 2 Time	Input voltage below 85V	Check that the input voltage is in the normal range.
Red Light Flash 3 Time	Output current exceeds set upper limit	Reduce the vehicle charging current, or adjust the charging post current.
Red Light Flash 4 Time	PCB motherboard over-temperature protection	Stop charging, or reduce the power.
Red Light Flash 5 Time	Grounding	Check that the outlet is grounded.
Red Light Flash 6 Time	CP Voltage Protection	Cannot be recovered after reboot, contact technical support.
Red Light Flash 7 Time	Relay Failure	Cannot be recovered after reboot, contact technical support.
Red Light Flash 8 Time	Leakage Protection	Danger of current leakage exists, disconnect the front-stage circuit breaker and reapply power after 5 seconds.
Red Light Flash 9 Time	Relay sticking protection	Cannot be recovered after reboot, contact technical support.

Fault Name	Possible Causes Of Malfunctions	Exclusion Suggestions
Red Light Flash 10 Time	Abnormal leakage self-test	Cannot be recovered after reboot, contact technical support.
Red Light Flash 11 Time	Vehicle diode protection	Cannot be recovered after reboot, contact technical support.
Red Light Flash 12 Time	Input plug temperature protection	Make sure that the charging plug is not covered and that there are no heat sources or high ambient temperatures around it.
Red Light Flash 13 Time	Output charging gun temperature protection	Ensure that the charging gun is not covered and that there are no heat sources or high ambient temperatures around it.
Red Light Flash 14 Time	Frequency Anomaly	Cannot be recovered after reboot, contact technical support.
Indicator light is normal and not charging	Charging gun not plugged in, not successfully connected to the car	Try re-plugging the charging gun.
	Foreign object in the charging gun connector	Check the charging gun connector and remove any foreign objects if found.
	Anomalies within the charging pile	Contact Technical Support.
APP Connection Failure	WIFI Occupied	Double-click the button three times and reconnect.