Portable EV Charger Instructions



It is recommended to read the instructions before use

CATALOG

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Safety instructions

- Warning : The charging station must be grounded (PE) in order to use it properly
- Warning : Do not place flammable, explosive or combustible materials, chemicals, combustible vapors or other hazardous materials near the charging station.
- Warning : Keep the charging plug head clean and dry, if dirty, please wipe it with a clean and dry cloth, it is strictly forbidden to touch the charging plug core by hand when it is charged
- Warning: It is strictly forbidden to use the charging station when the charging plug or charging cable is defective, cracked, worn, broken or when the charging cable is exposed
- Warning : Do not attempt to disassemble, repair or modify the charging station. If you need to repair or modify it, please contact the relevant staff. improper operation may cause the charging station damage, water leakage, leakage of electricity, short circuit, electric shock and other risks
- Warning : Use with caution during thunderstorms
- Warning : Children should not approach or use the charging station during the charging process to avoid electric shock
- Warning : Do not drive the car while it is charging. You can only start charging When the car is stationary. For hybrid Cars, please turn off the engine before charging
- Warning : In case of emergency during the operation of the product, press the emergency stop button immediately to cut off all input and output power
- Warning : The use of the charging post is prohibited in the following cases and the manufacturer should be contacted immediately:

  * Bad charging station shell
  * When the charging cable on the charging station is damaged, cracked, frayed, broken, etc.
  * Lightning strikes charging station
  * Accidents or fires near charging stations
  * Water in the charging station
  * The length of the charging cable on charging station is not long enough to connect to the car, an extension cable needs to be installed

Product Overview

Brief description :

This product is used for electric vehicle AC charging, the product design is highly simple, divided into Type2, Type1, TS-NACS GB/T four kinds of specifications. It is plug-and-play charging methods and multiple safety protection functions. with good dustproof and waterproof function, can be operated safely in outdoor.



Status Indicator

Display

Adjustment of charging current

Set delayed charging time

Long press for 5 seconds to enter the settings interface

Set charging time

Emergency stop switch

Size of Charging Control Box



Type 2 Parameter introduction

Type 2 IEC 62196-2			
Power Rating	7.6kW	11kW	22kW
APP	●	●	●
Type B RCD	●	●	●
Leakage protection	TypeB AC 30mA + DC 6mA		
Power supply system	Single Phase	Three Phase	Three Phase
Rated voltage	85V-264V	380V±20%	380V±20%
Rated current	8-10-13-16-20-25-32A	8-10-13-16A	8-10-13-16-20-25-32A
Input Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Charger Plug	IP66	IP66	IP66
Charger Box	IP66	IP66	IP66
Working temperature	-35℃ ~ +55℃	-35℃ ~ +55℃	-35℃ ~ +55℃
Storage temperature	-40℃ ~ +80℃	-40℃ ~ +80℃	-40℃ ~ +80℃
Standby power	<3W	<3W	<3W
Working humidity	5% ~ 95% non-condensation	5% ~ 95% non-condensation	5% ~ 95% non-condensation
Cable Specification	3G 6mm²+1*0.5mm²	5G 2.5mm²+1*0.5mm²	5G 6mm²+1*0.5mm²

Control box function:
1.Leakage protection (restart recovery)
2.Overvoltage and undervoltage protection(self-test recovery)
3.Lightning protection
4.Overcurrent protection
5.Overheat protection
6.Grounding protection
7.Appointment Time
8.WIFI

Product Performance:
1.Charging plug according to IEC 62196-2 standard
2.Charging control box in accordance with IEC61851 control principle
3.Insulation resistance:>1000Ω
4.Terminal temperature rise:<50K
5.Mechanicallife: Charging Plug plugging and unplugging times (Non operating state)>10000 times
6.External impact:Charging Station Plug can withstand the 1-meter drop and 2 tons of vehicle crushing
7.Altitude:≤2000m
8.With emergency stop function

Type 1 Parameter introduction

Type 1 SAE J1772			
Power Rating	7.6kW	9.6kW	12kW
APP	●	●	●
Type B RCD	●	●	●
Leakage protection	TypeB AC 30mA + DC 6mA		
Power supply system	Level 1 and Level 2	Level 1 and Level 2	Level 1 and Level 2
Rated voltage	85V-264V	85V-264V	85V-264V
Rated current	8-10-13-16-20-25-32A	8-10-13-16-20-25-32-40A	8-10-13-16-20-25-32-40-50A
Input Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Charger Plug	IP66	IP66	IP66
Charger Box	IP66	IP66	IP66
Working temperature	-35℃ ~ +55℃	-35℃ ~ +55℃	-35℃ ~ +55℃
Storage temperature	-40℃ ~ +80℃	-40℃ ~ +80℃	-40℃ ~ +80℃
Standby power	<3W	<3W	<3W
Working humidity	5% ~ 95% non-condensation	5% ~ 95% non-condensation	5% ~ 95% non-condensation
Cable Specification	3G 6mm²+1*0.5mm²	3G 8mm²+2*0.5mm²	3G 10mm²+2*0.5mm²

Control box function:
1.Leakage protection (restart recovery)
2.Overvoltage and undervoltage protection(self-test recovery)
3.Lightning protection
4.Overcurrent protection
5.Overheat protection
6.Grounding protection
7.Appointment Time
8.WIFI

Product Performance:
1.Charging plug according to SAE J1772 standard
2.Charging control box in accordance with IEC61851 control principle
3.Insulation resistance:>1000Ω
4.Terminal temperature rise:<50K
5.Mechanicallife: Charging Plug plugging and unplugging times (Non operating state)>10000 times
6.External impact:Charging Station Plug can withstand the 1-meter drop and 2 tons of vehicle crushing
7.Altitude:≤2000m
8.With emergency stop function

GB/T Parameter introduction

GB/T			
Power Rating	7.6kW	11kW	22kW
APP	●	●	●
Type B RCD	●	●	●
Leakage protection	TypeB AC 30mA + DC 6mA		
Power supply system	Single Phase	Three Phase	Three Phase
Rated voltage	85V-264V	380V±20%	380V±20%
Rated current	8-10-13-16-20-25-32A	8-10-13-16A	8-10-13-16-20-25-32A
Input Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Charger Plug	IP66	IP66	IP66
Charger Box	IP66	IP66	IP66
Working temperature	-35℃ ~ +55℃	-35℃ ~ +55℃	-35℃ ~ +55℃
Storage temperature	-40℃ ~ +80℃	-40℃ ~ +80℃	-40℃ ~ +80℃
Standby power	<3W	<3W	<3W
Working humidity	5% ~ 95% non-condensation	5% ~ 95% non-condensation	5% ~ 95% non-condensation
Cable Specification	3G 6mm²+1*0.5mm²	5G 2.5mm²+1*0.5mm²	5G 6mm²+1*0.5mm²

Control box function:
1.Leakage protection (restart recovery)
2.Overvoltage and undervoltage protection(self-test recovery)
3.Lightning protection
4.Overcurrent protection
5.Overheat protection
6.Grounding protection
7.Appointment Time
8.WIFI

Product Performance:
1.Charging plug according to GB/T20234 standard
2.Charging control box in accordance with IEC61851 control principle
3.Insulation resistance:>1000Ω
4.Terminal temperature rise:<50K
5.Mechanicallife: Charging Plug plugging and unplugging times (Non operating state)>10000 times
6.External impact:Charging Station Plug can withstand the 1-meter drop and 2 tons of vehicle crushing
7.Altitude:≤2000m
8.With emergency stop function

TS-NACS Parameter introduction

TS-NACS			
Power Rating	7.6kW	9.6kW	12kW
APP	●	●	●
Type B RCD	●	●	●
Leakage protection	TypeB AC 30mA + DC 6mA		
Power supply system	Level 1 and Level 2	Level 1 and Level 2	Level 1 and Level 2
Rated voltage	85V-264V	85V-264V	85V-264V
Rated current	8-10-13-16-20-25-32A	8-10-13-16-20-25-32-40A	8-10-13-16-20-25-32-40-50A
Input Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Charger Plug	IP66	IP66	IP66
Charger Box	IP66	IP66	IP66
Working temperature	-35℃ ~ +55℃	-35℃ ~ +55℃	-35℃ ~ +55℃
Storage temperature	-40℃ ~ +80℃	-40℃ ~ +80℃	-40℃ ~ +80℃
Standby power	<3W	<3W	<3W
Working humidity	5% ~ 95% non-condensation	5% ~ 95% non-condensation	5% ~ 95% non-condensation
Cable Specification	3G 6mm²+1*0.5mm²	3G 8mm²+2*0.5mm²	3G 10mm²+2*0.5mm²

Control box function:
1.Leakage protection (restart recovery)
2.Overvoltage and undervoltage protection(self-test recovery)
3.Lightning protection
4.Overcurrent protection
5.Overheat protection
6.Grounding protection
7.Appointment Time
8.WIFI

Product Performance:
1.Charging plug according to TS-NACS standard
2.Charging control box in accordance with IEC61851 control principle
3.Insulation resistance:>1000Ω
4.Terminal temperature rise:<50K
5.Mechanicallife: Charging Plug plugging and unplugging times (Non operating state)>10000 times
6.External impact:Charging Station Plug can withstand the 1-meter drop and 2 tons of vehicle crushing
7.Altitude:≤2000m
8.With emergency stop function

Key Operation Instructions

(1) How to set the charging current

1.When the charging plug is not inserted in the car, press the button A on the panel to adjust the charging current,the current setting range is determined by the max charging power of charging station,7.6kW and 22kW version can set the curent of 8-10-13-16-20-25-32A,11kW version can set the current of 8-10-13-16A.



(2) How to set the time delay charging

1.When the charging plug is not inserted in the car，touch the button on the panel shows below to modify the delayed charging time, The device will start charging after “X" hours according to the delayed time setted.which means the charger will start charging after "X" hours , and the range can be set from 0 to 15 hours (each touch increase an hour):



(3) How to set the timing charging

1.touch the button on the panel shows below to modify the timing charging , The device will start charging after "X" hours according to the time you setted. which means the charger will keep charging for "x" hours , after the time runs out , the charger will stop charging. you can set the time from 0 to 15 hours (each touch increase an hour);



(4) How to access the menu page

1. Press the area in the picture below for 5 seconds to enter the setting menu



(5) Menu page basic Button operation

1. Touch the panel icon area to upward, downward, enter, back and increase or decrease the parameters of the menu.

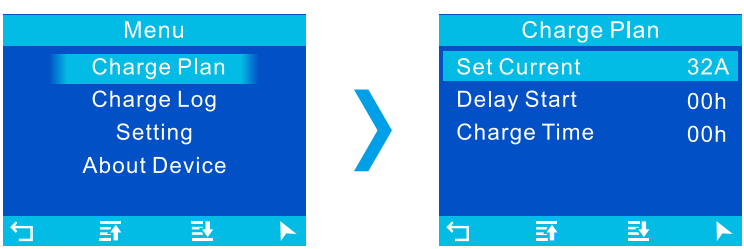


2.Menu - Charging plan

Set Current：Adjust Current

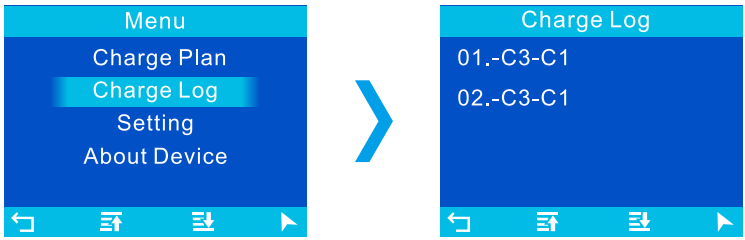
Delay Start：Set Delay Time

Charge Time：Set Charging Time



3.Menu - Charge Log

Record the last 10 charging statuses for fault diagnosis

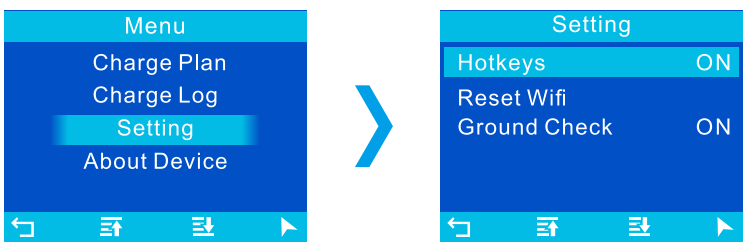


4.Menu - Setting

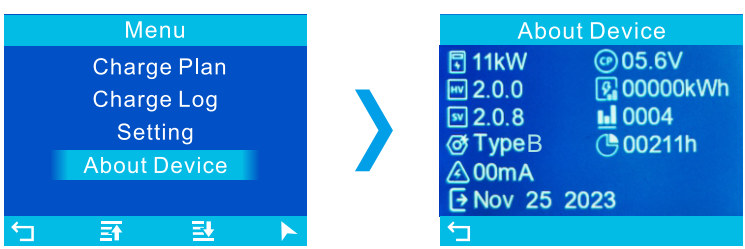
Hotkeys:Turn on and off the lock button to prevent others from operating it

Reset Wifi：Clear network configuration

Ground Check：To turn on and off the grounding (PE) detection, please use the charging station in the grounded (PE) state



5.Menu - About Device



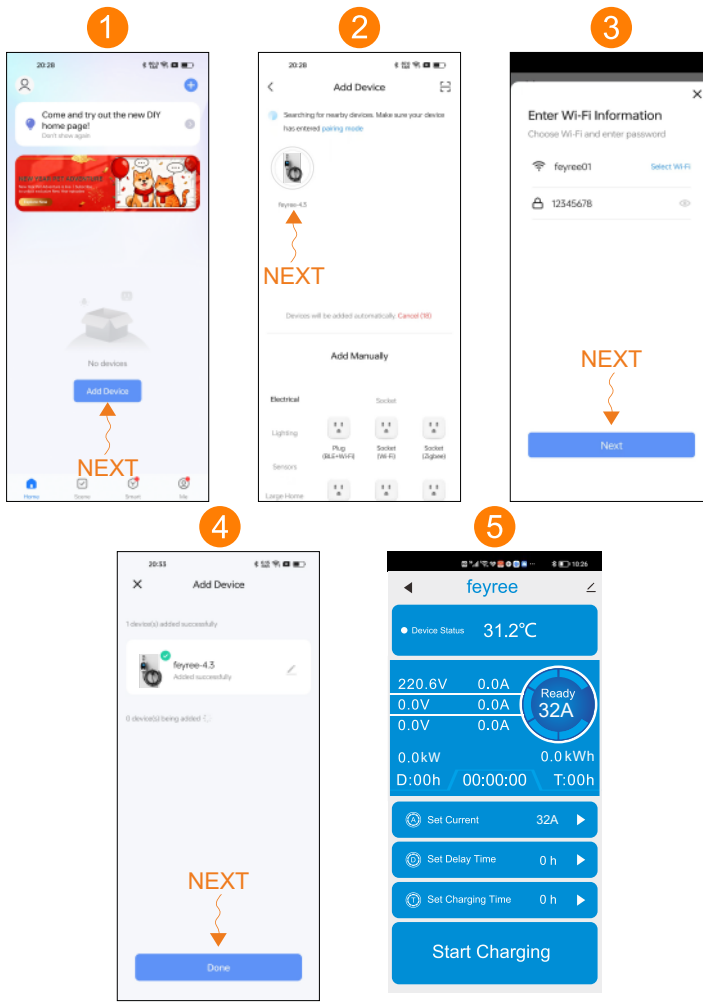
How to use the App

How to use the App (the device needs to have Wifi function,and Bluetooth function)

1.Please download the "Smart Life" (recommended) or the "Tuya Smart" APP on your cell phone. The APP icon as shown above.

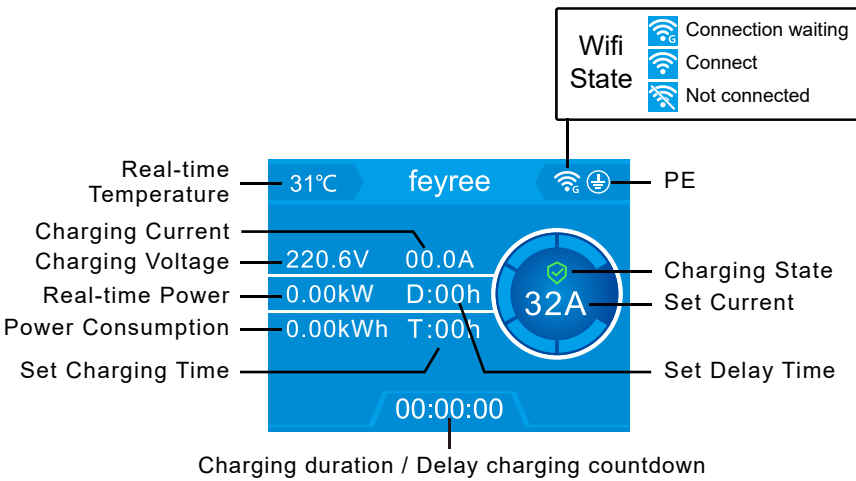
Smart life tuya smart

2. After downloading, open the app, turn on your phone WiFi and Bluetooth, select Add Device, and follow the instructions to complete Add a new device,as shown below:

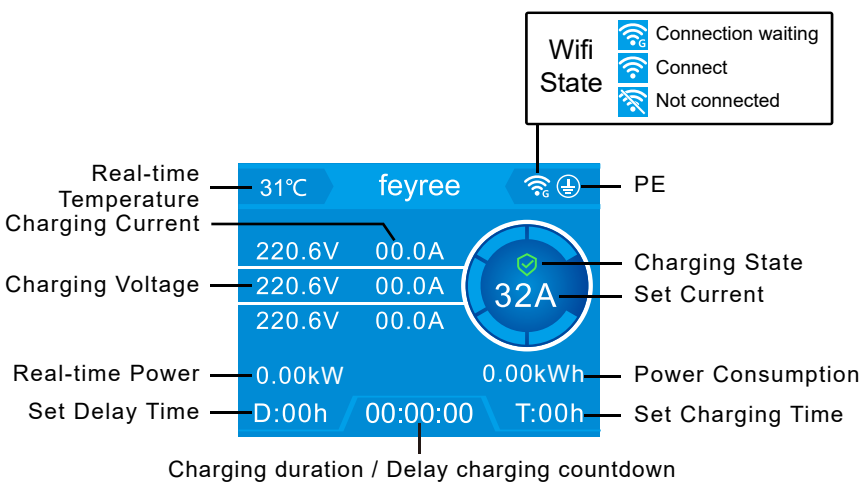


Control Box LCD Display

7.6kW/9.6kW/12kW interface as shown below

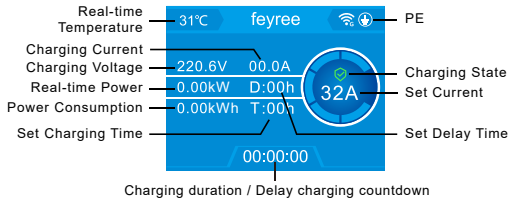


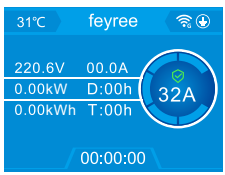
11kW/22kW interface as shown below



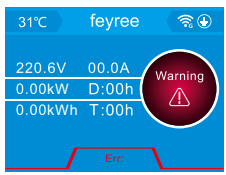
Control Box LCD Display

Single-phase

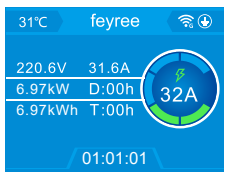




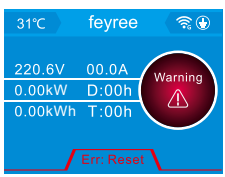
Ready to Charge



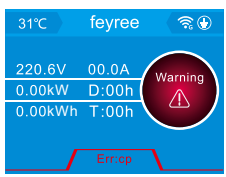
Relay Self Check



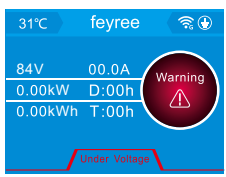
Charging



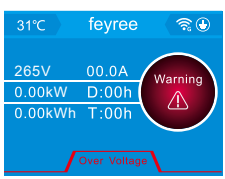
EMERGENCY STOP



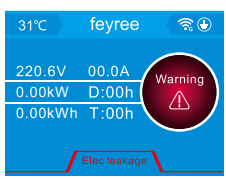
Signal Failure



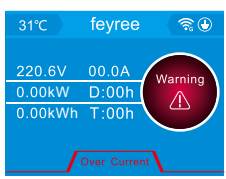
Under Voltage



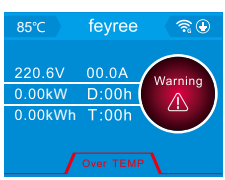
Over Voltage



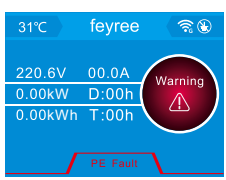
Leakage



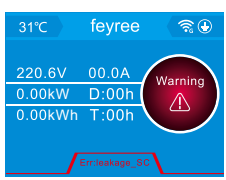
Over Current



Over TEMP



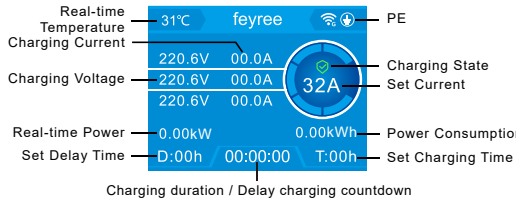
Missing of PE Protection

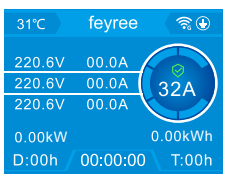


Leakage Self Check

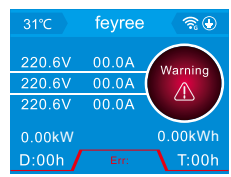
Control Box LCD Display

Three-phase

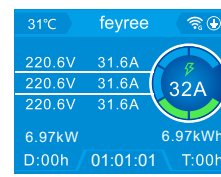




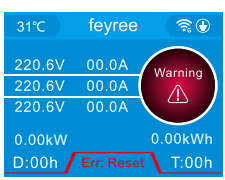
Ready to Charge



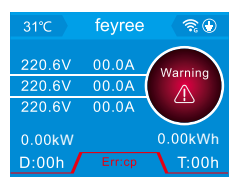
Relay Self Check



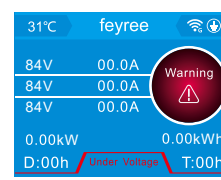
Charging



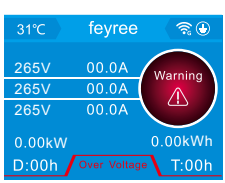
EMERGENCY STOP



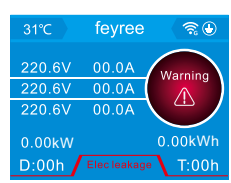
Signal Failure



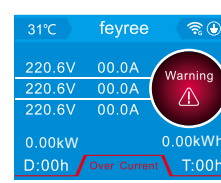
Under Voltage



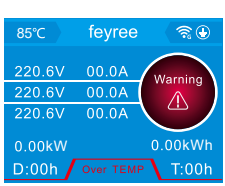
Over Voltage



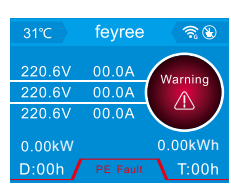
Leakage



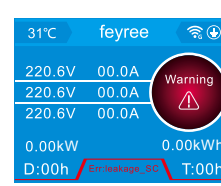
Over Current



Over TEMP



Missing of PE Protection



Leakage Self Check

Common Troubleshooting

Fault name	Reason for failure	Recommendations
Over Voltage	AC input voltage is too high	1. Ask an electrician measure the input voltage of the charger's power distribution box
		2. If the actual voltage is over 264V for a short time, wait for the power system to restore itself to the normal voltage range.
		3. If the actual voltage is over 264V for a long time, please contact the local power supply department
		4. If the actual voltage of the electrical system in your home is less than 264V, please contact us;
Under Voltage	AC input voltage is too low	1. Ask an electrician measure the input voltage of the charger's power distribution box
		2. If the actual voltage is less than 85V for a short time, wait for the power system to restore itself to the normal voltage range.
		3. If the actual voltage is less than 85V for a long time, please contact the local power supply department
		4. If the actual voltage of the electrical system in your home is over 85V, please contact us;
Over Current	AC input current is too high	1.Cut off the power of the charger's power distribution box right away
		2.Check the charging plug for foreign objects and the car's on-board charger for abnormalities
		3.After troubleshooting the above problems, reconnect the power supply, if the fault still exists, please contact us
Over TEMP	Charger internal temperature greater than 85°C	1.Check that there is no other heat generating equipment or devices next to the charging station and make sure that the ambient temperature is below 50°C.
		2.If the problem cannot be solved, please contact us
Elec leakage	Leakage is greater than the following values: TypeA:(60Hz)AC20mA/ (50Hz)AC30mA TypeB: AC 30mA+DC 6mA	1.Cut off the power of the charger's power distribution box right away
		2.Check the charging plug for foreign objects and check the car for electrical leakage
		3. After troubleshooting the above problems, Reset leakage protector, reconnect the power supply, if the fault still exists, please contact us
Leakage self check	The sensor for detecting leakage is abnormal	1.Cut off the power of the charger's power distribution box right away
		2.Check whether the output cable of the charging station is broken or connected to ground
		3.After troubleshooting the above problems, reconnect the power supply, if the fault still exists, please contact us
PE Fault	Poor grounding or incorrect wiring	1.Cut off the power of the charger's power distribution box right away.
		2.Check if the charging station is grounded properly.
		3.After troubleshooting the above problems, reconnect the power supply, if the fault still exists, please contact us
Err:cp	Charging plug CC/CP connection abnormality	1.Check if the wiring of the charging plug is correct
		2. After troubleshooting the above problems, if the fault still exists, please contact us
Err:Reset	Reset button is pressed	1.Check if the red button on the right is pressed, if it is pressed, rotate it back to reset.
		3.After troubleshooting the above problems, if the fault still exists, please contact us

Charging Status and Indicator Light

Charging Status	Green Light	Blue Light	Red Light	Description
Ready	Ever-bright	/	/	Power-up for self-test or reset
Connect	Flashing	/	/	Detection point 1 voltage is 9 ± 0.8 V.
Charging	/	Breathing	/	Detection point 1 voltage is 6 ± 0.8 V,relay closed
Finish	/	Ever-bright	/	Charging finished
Err:CP	/	/	Flash 1 time(0.5S)	Detection point 1 voltage is 9.8V<U<11.2V; 6.8V<U<8.2V; 12.8V<U or U<5.2V; relay opened
Under Voltage	/	/	Flash 2 time(0.5S)	Single-phase: voltage <85V , Three-phase: <304V
Over Voltage	/	/	Flash 3 time(0.5S)	Single-phase: voltage > 264V, Three-phase: > 457V
Elec Leakage	/	/	Flash 4 time(0.5S)	Relay is opened, it will be closed if re-powered after troubleshooting,
Over Current	/	/	Flash 5 time(0.5S)	The line current keep at Ie+2<I≦Ie+4 for 5 seconds, the relay is opened, then restarted automatically after 10 seconds. It will permanently disconnect after three repetitions. At I> Ie+4, the relay is disconnected and the charging is finished.
Over Temp	/	/	Flash 6 time(0.5S)	Temperature > 85°C, the relay is opened. When the temperature is < 65 °C, charging restarts.
Err:Reset	/	/	Flash 7 time(0.5S)	Emergency stop button is pressed, the relay is opened, and it is allowed to close only after the fault is solved

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Customer Service Team

E-mail: tina@feyree.com

Warranty

Two-Year Warranty

feyree offers two-year warranty to customers who make purchased original feyree product.

Lifetime Technical Support

In case of any product-related issues, we encourage you to reach out to us, providing pictures and videos for further assistance.

Exclusions

The warranty does not cover:

- Any product damage resulting from failure to follow the recommended guidelines.
- Damage caused by unauthorized disassembly of the machine or seeking maintenance from a non-designated service center.
- Purchased not original feyree products.
- Any modifications or do-it-yourself alterations carried out without guidance from a licensed electrician.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference; (2) this device must accept any interference received,including interference that may cause undesired operation.

Note:This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates and uses can radiate radio frequency energy, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following
measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Note:The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance.such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meetgeneral RF exposure requirement.
To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body,and fully supported by the operating and installation configurations of the transmitter and its antennas.



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