

2. Menu - Charging plan

One-off Plan

Set Current : Adjust Current

Delay Start : Set Delay Time

Charge Time : Set Charging Time

Default Plan

Default Start : Prohibit charging start time

Default End : Prohibit charging end time

Total Current : Load balancing, setting the total current value of the circuit.

This feature is only available for Dynamic Load Blancing Charging station.



Charge Plan

One-off Plan

Default Plan

Set Current 32A

Delay Start 00h

Charge Time 00h

Charge Plan

One-off Plan

Default Plan

Default Start 00:00

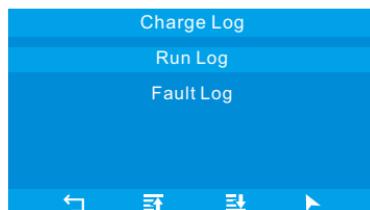
Default End 00:00

Total Current 80A

4.Menu - Charge Log

Record the last 500 charging log

Record the last 100 charging fault log



Charge Log	Run Log
Run Log	Usage: U000014 Date: 2024-01-01 Start Time: 00:02:46 User: Admin-n-8C85A23 Time: 00:00:03 Consumed: 0.000k Wh EndReason: Admin end
Fault Log	Usage: U000013 Date: 2024-01-01 Start Time: 08:00:00 User: Unknown Time: 00:00:00 Consumed: 0.000k Wh EndReason: Unknown end

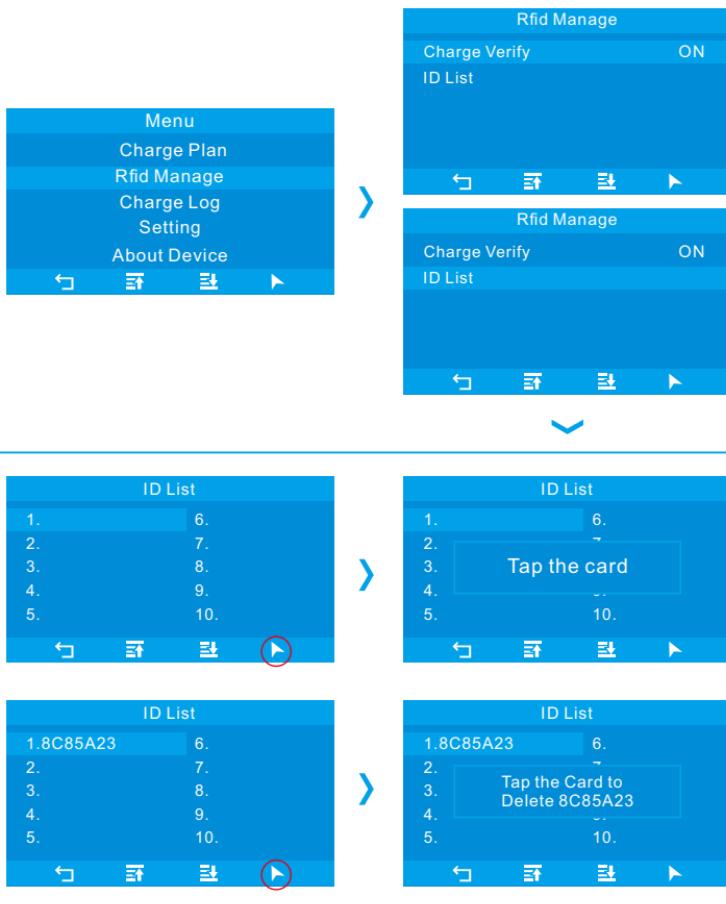
Charge Log	Fault Log
Run Log	Wrong: E000024 Data: 2024-01-01 Start Time: 08:30:40 Error: ESB Error Value: 1
Fault Log	Wrong: E000023 Data: 2024-01-01 Start Time: 08:21:49 Error: PE Error Value: 1

3. Menu - Rfid Manage

Charge Verify : Cancel or restart the use of RFID cards.

ID List : Add a blank RFID card to the charging station that can be used.

Delete RFID that has already been added.



5. Menu - Setting

Basis Settings

Hotkeys: Turn on and off the lock button to prevent others from operating it
Ground Check : To turn on and off the grounding (PE) detection, please use the charging station in the grounded (PE) state

Leakage Check: Turn on and off the Leakage detection. To ensure safe charging, please use the charger in a leakage-protected condition.

Net Settings

Wifi Info: Wireless network information

Reset Wifi: Clear network configuration

Time Settings

Local Time : Local time

Set Date : Set date

Set Time : Set time

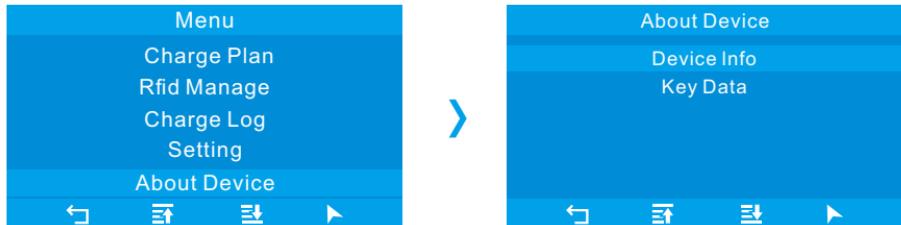
Set Timezone : Set the corresponding number of time zones according to your own time zone (e.g. East Zone 2, please set +2, West Zone 6, please set -6)



The image displays three sub-menu screens arranged vertically, each with a back arrow icon on the left and four navigation icons (left, right, up, down) at the bottom.

- Basis Settings:** Shows 'Hotkeys', 'Ground Check', and 'Leakage Check' all set to 'ON'.
- Net Settings:** Shows 'Wifi Info' and 'Reset Wifi'.
- Time Settings:** Shows 'Local Time' (2024-06-08 11:02:36), 'Set Date', 'Set Time', and 'Set Timezone' (+0).

6.Menu - About Device



Load balancing function description

1. Introduction:

By connecting the meter to the home circuit, the current level of the home circuit is collected in real time, and the collected data information is transmitted remotely to the charging device through 485 communication. The charging equipment adjusts the current in real time by comparing the collected data with the rated current of the home circuit set by the user. when the available current is less than 6A, the device will enter the load balancing protection state. When the available current is more than 10A, the device will resume charging.

2. Prerequisites for the load balancing function to work properly:

- (1) 485 communication is correctly and reliably connected
- (2) The charging station is not on the same circuit with the smart meter but the smart meter should be on the same circuit with the household appliances
- (3) The total current set on charging stations should be less or equal to household total current

3. Set the home rated current level:

You need to follow the prompts for swipe RFID operation before entering the modification to open the home rated current setting, Settable in the range of 20A to 80A;

Total Current : Load balancing,setting the total current value of the circuit



Rated current:Setting the home circuit current rating

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



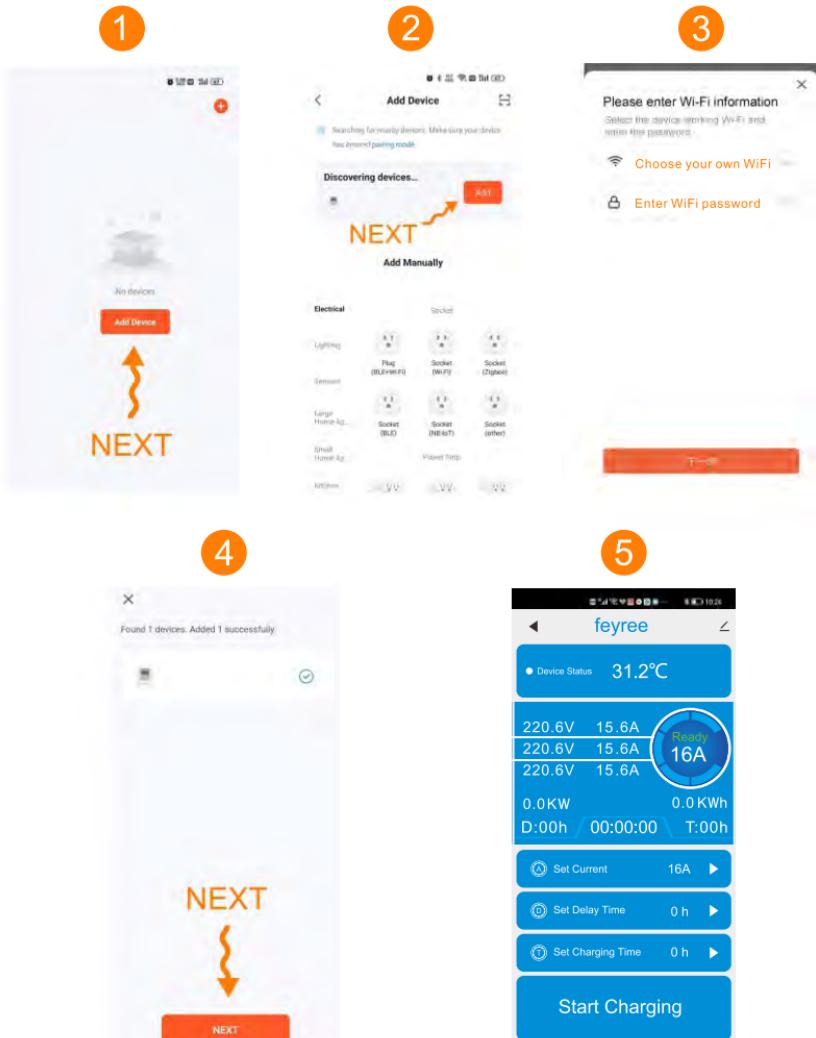
tuya smart



Smart life

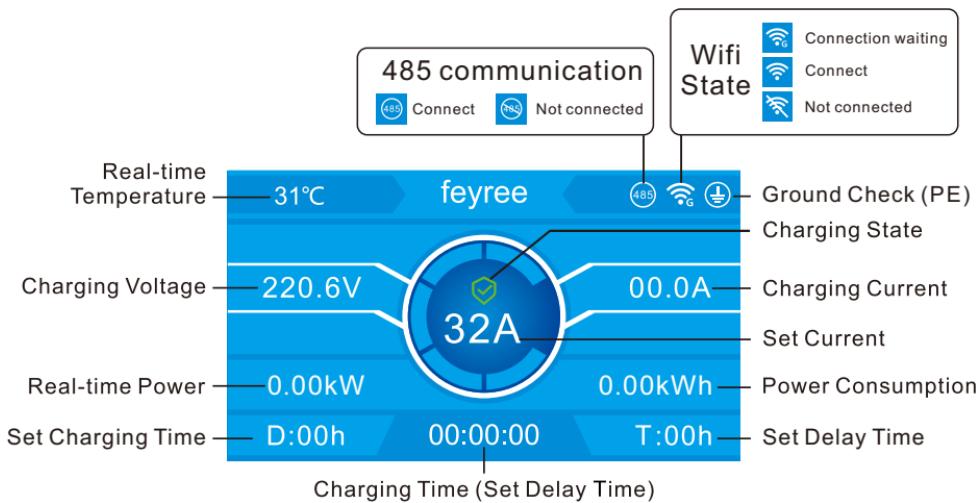
1. Please download the "Tuya Smart " or "Smart Life"App on your cell phone, the APP icon as shown above

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:

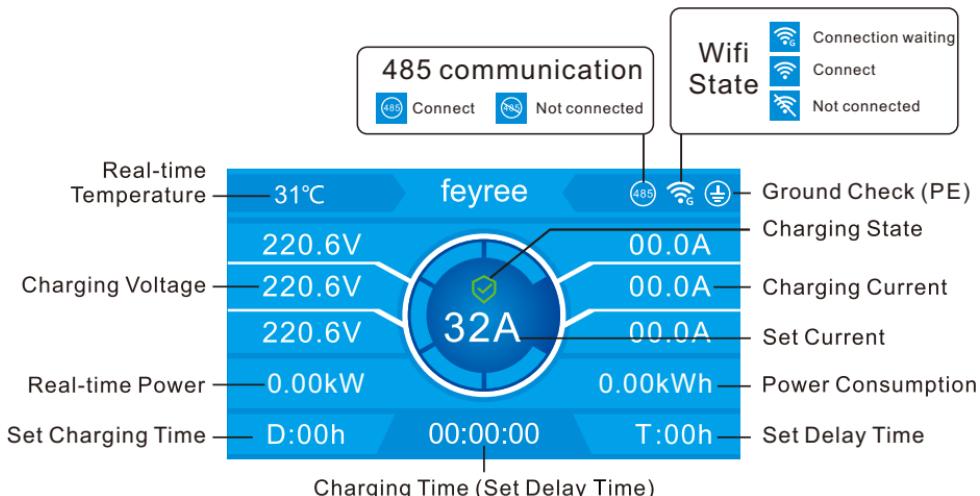


(10) Interface description (device should have Wifi or load balancing function, optional function)

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



11KW/22KW interface as shown below



Control Box LCD Display

Single-phase



Ready to Charge

Swipe RFID Card

Charging



EMERGENCY STOP

Signal Failure

Under Voltage



Over Voltage

Leakage

Over Current



Over TEMP

Missing of PE Protection

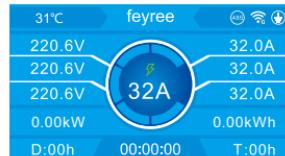
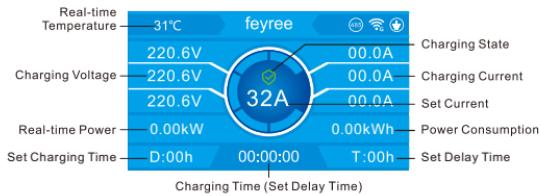
Leakage self check



Relay self check

Control Box LCD Display

Three-phase



Ready to Charge

Swipe RFID Card

Charging



EMERGENCY STOP

Signal Failure

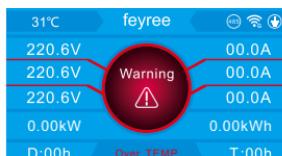
Under Voltage



Over Voltage

Leakage

Over Current



Over TEMP

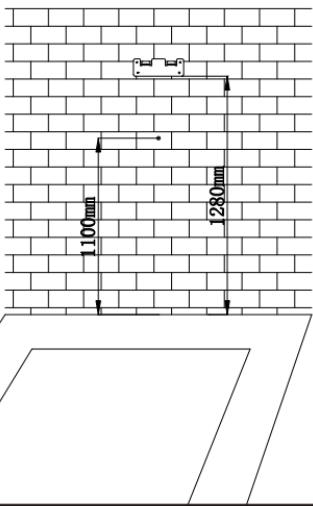
Missing of PE Protection

Leakage self check

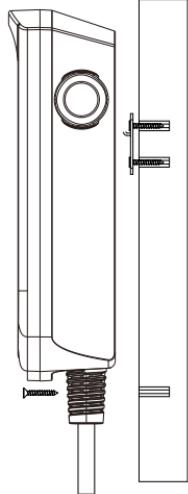


Relay self check

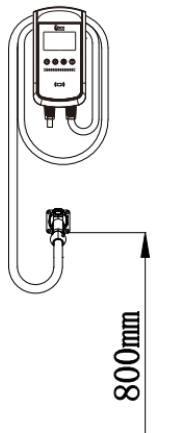
Installation and operation instructions



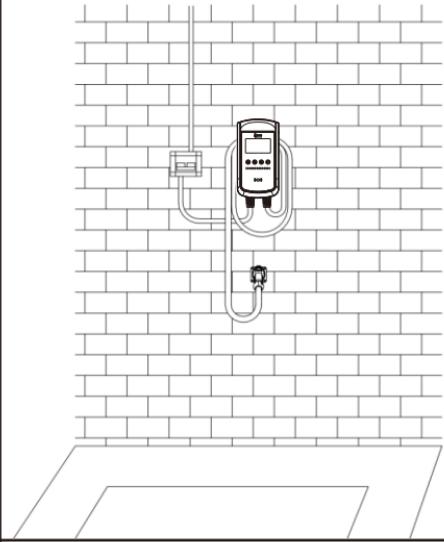
Step 1 : According to the position of the holes on the metal Back mounting bracket, use an electric driller to drill holes in the corresponding positions . Please refer to the height in the photo below to determine the charger installation height. then put the expansion tube in the hole , and then use long screws fix the metal mounting bracket on the wall.



Step 2 : After fixed the metal bracket to the wall, hang the charger on the bracket while using the screws to fix the Metal bracket underneath the charger to the wall.



Step 3 : Install the charging plug holder in the position shown in the pics above



Step 4 : Connect the power supply and make sure the charger can work properly

Common Troubleshooting

Fault name	Possible causes of fault phenomena	Troubleshooting recommendations
AC overvoltage	AC input voltage is too high	<ol style="list-style-type: none"> 1. Ask an electrician to test the input voltage of the switch 2. If the actual voltage exceeds 264V AC for a short time, wait for the network to return to the normal voltage range on its own 3. If the actual voltage is greater than 264V AC for a long time, please contact the power supply department 4. If the actual voltage is less than 264V AC, please contact us
AC Undervoltage	AC input voltage is too low	<ol style="list-style-type: none"> 1. Ask an electrician to test the input voltage of the switch 2. If the voltage is below 176V AC for a short time, wait for the voltage to return to the normal range 3. If the actual voltage is less than 176V AC for a long time, please contact the power supply department 4. If the actual voltage is greater than 176V AC, please contact us
AC Overcurrent	AC input current is too high	<ol style="list-style-type: none"> 1. Immediately disconnect the power distribution box leakage / overcurrent protection switch 2. Check whether there is a low impedance connection between the two lines of the AC pile output line 3. After eliminating the above problems, reapply power, if the fault still exists, please contact us
overheating	Internal temperature greater than 85 degrees	<ol style="list-style-type: none"> 1. Check the AC pile installation environment, verify that there is no heat generating equipment or devices next to it, and ensure that the ambient temperature needs to be below 60°. 2. If the fault cannot be eliminated, please contact us
Leakage current exceeds the standard	Leakage current greater than 30mA	<ol style="list-style-type: none"> 1. Immediately disconnect the power distribution box leakage / overcurrent protection switch 2. Check whether the AC pile output line is broken or has a low impedance connection to ground 3. After eliminating the above problems, and reset the leakage current protector reset switch, reapply power, if the fault still exists, please contact us
Leakage current sensor Sensor anomaly	Sensor for detecting leakage current Abnormalities	<ol style="list-style-type: none"> 1. Immediately disconnect the power distribution box leakage / overcurrent protection switch 2. Check whether the AC pile output line is broken or has a low impedance connection to ground 3. After eliminating the above problems, reapply power, if the fault still exists, please contact us
Ground fault	Poor input/output ground or input L/N reversed	<ol style="list-style-type: none"> 1. Immediately disconnect the power distribution box leakage / overcurrent protection switch 2. Check whether the AC pile input/output line grounding is normal, and whether the input L/N is connected in normal order 3. After eliminating the above problems, reapply power, if the fault still exists, please contact us
Charge gun connection Abnormal	Charging gun CC/CP connection abnormal	<ol style="list-style-type: none"> 1. Check whether the connection of the charging gun is correct and reliable 2. If the fault still exists, please contact us

Charging Status and Indicator Light

Serial number	charging	Green	Blue	Red	Definition description
1	Ready	On	Off	Off	Power-on self-test or reset
2	Connect	Flash	Off	Off	The voltage of detection point 1 is $9 \pm 0.8V$,
3	Charging	Off	Breathe	Off	Detection point 1 voltage is $6 \pm 0.8V$, the relay is closed
4	Finish	Off	On	Off	Charging complete
5	Err:CP	Off	Off	Fault (0.5s) 1 time	Detection point 1 voltage of $9.8V < U < 11.2V$. $6.8V < U < 8.2V$; $12.8V < U$ or $U < 5.2V$. Relay is disconnected
6	Under Voltage	Off	Off	Fault (0.5s) 2 time	1 phase:voltage $< 85V$; 3 phase:voltage $< 147V$
7	Over Voltage	Off	Off	Fault (0.5s) 3 time	1 phase:voltage $> 264V$; 3 phase:voltage $> 457V$
8	Elec Leakage	Off	Off	Fault (0.5s) 4 time	The relay is disconnected, and it needs to be re-powered after the fault is removed before the relay is allowed to close
9	Over Current	Off	Off	Fault (0.5s) 5 time	When the line current is $Ie+2 < I \leq Ie+4$, 60S, the relay is disconnected, and it will automatically restart after 10S. Repeat three times for permanent disconnection. When $I > Ie+4$, the relay is disconnected, and the charging ends
10	Over Temp	Off	Off	Fault (0.5s) 6 time	Temperature > 85 degrees, disconnect the relay, wait for the temperature < 65 degrees, then turn on charging
11	Ungrounded	Off	Off	Fault (0.5s) 7 time	The ground wire is not connected, the relay is disconnected, and the relay is allowed to close after the fault is removed

APP Download QR Code



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, and (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, uses and can radiate radio frequency energy and, 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 meet general 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 antenna(s).



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