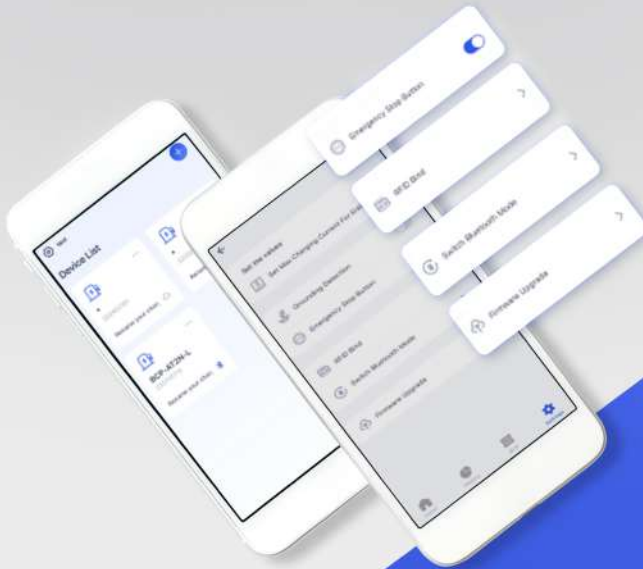


Z-BOX



APP Instruction Manual OCPP Server

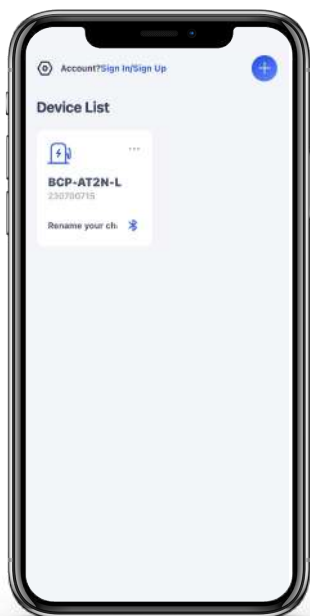
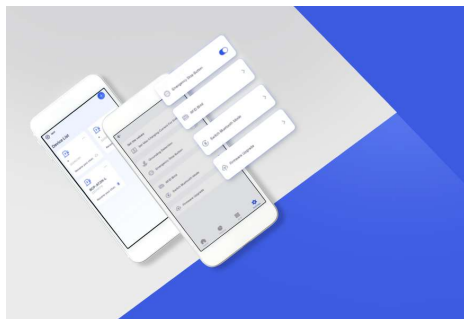


GREEN SMART

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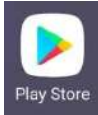
Introduction to APP



APP connects and binds EV Charger by virtue of Bluetooth and WiFi technologies so as to monitor the information and set the parameters of EV Charger. APP mainly functions to monitor the charging information such as charging current, voltage and power, EV Charger temperature, charging capacity (kWh), charging status, etc. In addition, it can set the scheduled charging, over-temperature protection threshold and maximum charging current, and also set different DLB modes depending on whether the EV Charger is connected to PV power generation system. Furthermore, it supports the one-key network distribution for OCPP EV Charger.



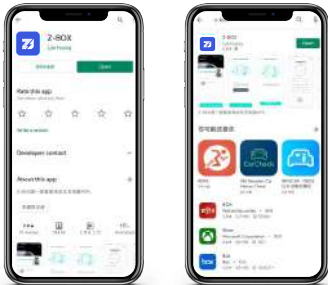
Open the Play Store



Click on the search box and
input "Z-BOX"

Find the "Z-BOX" APP

Click it to start the download



Open the App Store



APP Download

Click on the search box and
input "Z-BOX"

Find the Z-BOX APP



Click it to start the
download



How to add the EV Charger in Bluetooth mode?

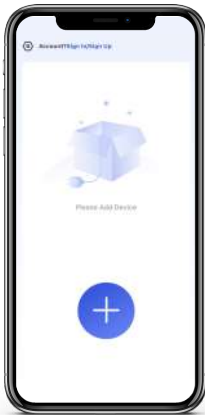


image 3-1



image 3-2

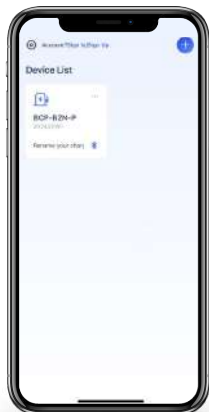
Precautions:

- 1.OCPP EV Charger are set at Blue-tooth mode as default in the factory
- 2.EV Charger is first added in Blue-tooth mode. Please turn on Blue-tooth on the mobile phone

Operating method:

1. Open the APP to enter the main interface as shown in Fig. 3-1, click “Add Device” and then enter Fig. 3-2;
2. Connect the EV Charger searched through Bluetooth just by clicking it;
3. Input the password (default: 123456) and click next;
4. After the binding succeeds, set the name and password by reference to the instructions in the next chapter;

image 4-1



How to sign in and sign up an account in APP?

Function:

APP records OCPP EV Charger saved by user in cloud according to account number

1. Click “Sign In” at the upper left corner (Fig. 4-1), enter the sign in page (Fig. 4-2), and sign in the account with the email password;

2. If you have no account, please sign up an account first;

3. Click “Sign Up” to sign up an account (Fig. 4-3) and the system will send a verification code to your E-mail.

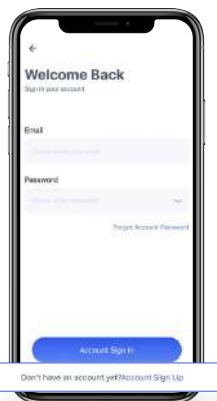


image 4-2



image 4-3

How to switch EV Charger from Bluetooth to OCPP?

Function:

OCPP EV Charger supports the remote control by Internet, and after accessing to the cloud OCPP platform, APP can remotely control the start and stop of EV Charger, scheduled charge, quantitative charge, DLB management, etc.

You have server Z-BOX, EVSaas, Monta, ChargeHQ and ChargeHub

1. Click “Switching Remote Control Mode” (Fig. 5-1) to enter the server configuration page;

2. Select the server corresponding to OCPP service platform (Fig. 5-2);

3. Configure the server parameters according to the page prompts (Fig. 5-3);

4. Configure the networking mode and network information (Fig. 5-4)

5. After setting the network information, click “Next” to start connecting the EV Charger to cloud platform.

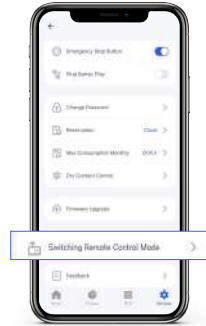


image 5-1

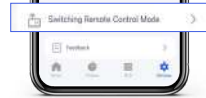


image 5-2

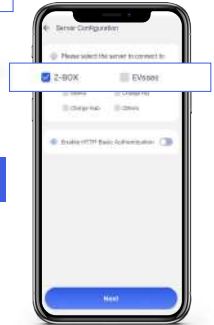


image 5-3

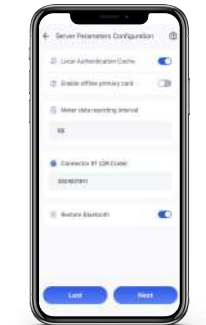


image 5-4

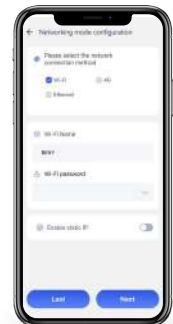




image 6-1

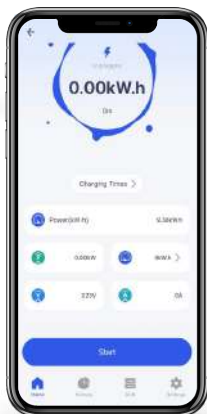


image 6-2

How to view the charging data and status?

After the connection succeeds, enter the EV Charger real-time data interface as shown in Fig. 6-1 and Fig. 6-2, where you can view the real-time data 1, data 2 and status of EV Charger, and also set the scheduled or quantitative charging, start or stop charging, etc.

Data 1

Device uid	231200096
Accumulated charge quantity	0.0 kW·h
Charging time	0 m
Single charge quantity	0.00 kW·h

Data 2

Single charge limit	0 kW·h
Charging power	0.0 kW
Current	0 A
Voltage	223 V

How to modify the configuration of EV Charger in APP?

Click “Settings” to enter the setting interface (Fig. 7-1), and you can view and set the charging configuration.

Set the value

Set Max Charging Current for Entire charger
Grounding Detection
Emergency Stop Button
RFID Bind
Switch Bluetooth Mode
Firmware Upgrade

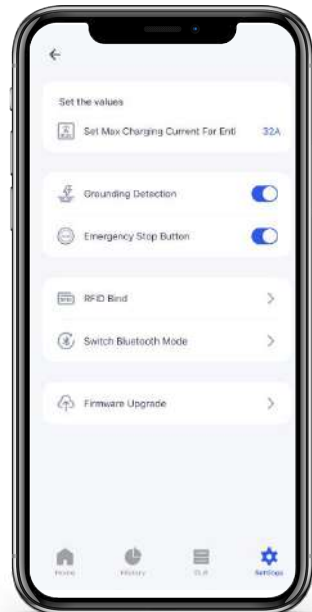


image 7-1

Function:

EV Charger will operate within the set time to complete the charging during the idle period of household electricity or the off-peak rate period.

Attention:

After setting the time, plug the connector into the electric vehicle, and the charging will start automatically at the set time.

Operating method:

1. The scheduled charging can be used only after connector is plug into the electric vehicle;
2. Click the EV Charger icon shown in Fig. 8-1 to enter the charging time setting interface;
3. Set and turn on the start time and end time of scheduled charging as shown in Fig. 8-2.

How to set scheduled or quantitative charging?

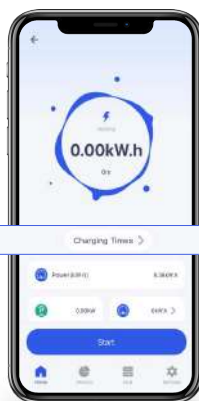


image 8-1

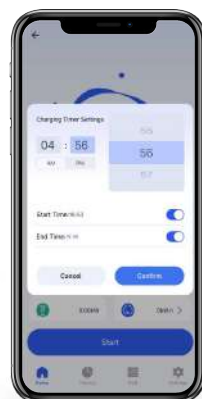


image 8-2

How to limit the charging current of EV Charger?

Click “Set Max Charging Current for Entire charger” on the setting page (Fig. 9-1), and set the appropriate charging current according to the power consumption of EV Charger (Fig. 9-2).

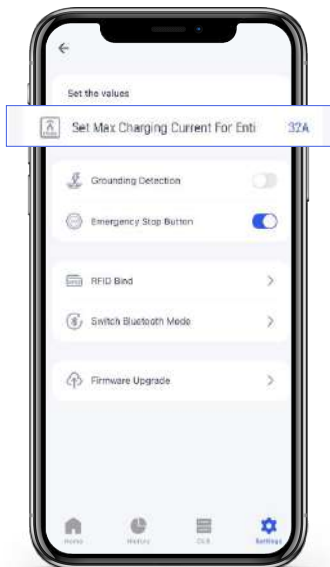


Image 9-1

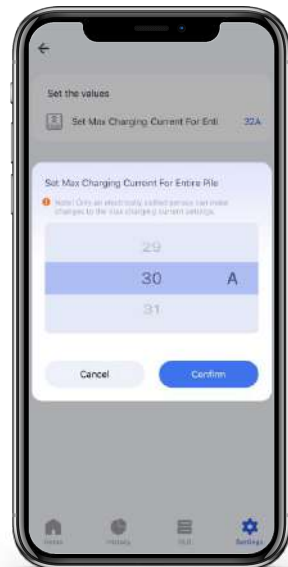


Image 9-2

How to update the firmware of EV Charger?

Function:

Update the software version, add new functions or improve stability.

Operating Steps:

1. Click “Firmware Upgrade” as shown in the setting interface of Fig. 10-1 to enter the software update interface;
2. If the system detects that the firmware is the latest version, you can click “Firmware Update” as shown in Fig. 10-2 to complete the version update.

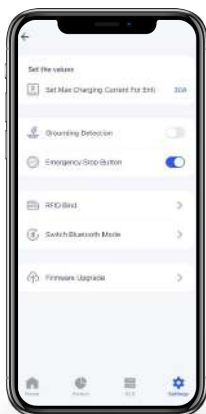


image 10-1



image 10-2

How to fix the update anomaly of firmware?

Function:

If the firmware upgrade fails due to an accident, or the old firmware does not support some updated functions, you can fix the EV Charger through the firmware repair function.

Operating Steps:

1. Power off the EV Charger, press the emergency stop button, power on the EV Charger while pressing and holding the black button on the main control board (Fig. 11-1), and release the button after hearing the beep sound. At this time, the EV Charger is set at IAP mode;
2. Click the settings button on the home page of APP (Fig. 11-2) to enter the setting interface (Fig. 11-3);
3. Click "Firmware Fix" to enter the Search (Via Bluetooth) interface (Fig. 11-4).

4. Click "Firmware Fix" and wait for the EV Charger to be fixed (Fig. 11-5).



Image 11-1

Image 11-2



Image 11-3



Attention:

Ensure the good Bluetooth and network signals of the mobile phone during the fix process. In case of fix failure due to a poor network, please re-fix it according to the above steps. The EV Charger in need of firmware fix repair can be searched via Bluetooth only if the firmware fix mode is launched through operating step 1.

How to fix the update anomaly of firmware?



Image 11-4

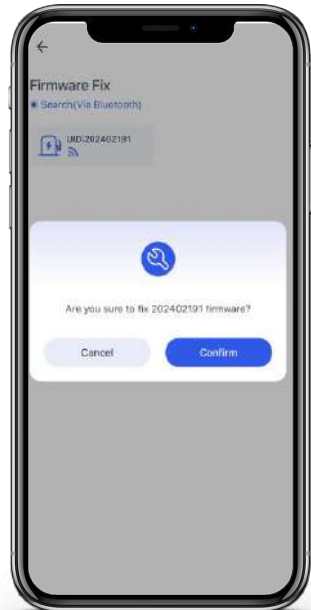


Image 11-5

How to choose a DLB mode properly?

(For the chargers with this function)

For the DLB-enabled chargers, the Photovoltaic mode, hybrid mode and full-speed mode shall be set when the charger are connected to PV power generation system, while normal mode only needs commercial power.

(1) Normal mode: for the pure commercial power supply, the EV Charger will automatically adjust the charging current, so that the total household current is limited to the set value of DLB;

(2) Photovoltaic mode: after detecting the commercial power, the EV Charger will reduce the charging current and the usage of commercial power;

(3) Hybrid mode: the EV Charger can use a certain commercial power for charging;

(4) Full-speed mode: the EV Charger will no longer limit the commercial charging current and charge at full speed.

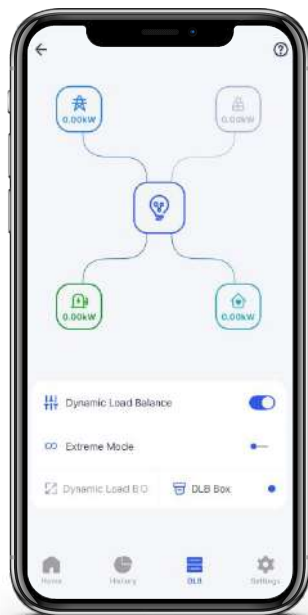


Image 12-1

How to choose a DLB mode properly?

When the power supply facility is not connected to PV power generation system:

1. Please select normal mode. Set the rated current value of DLB to limit the total household current.

When power supply facility is connected to PV power generation system:

1. If you want to use PV power generation system to supply power as much as possible and reduce the use of commercial power, please choose pure PV mode;

2. If a certain commercial power is allowed to be used for charging, please select hybrid mode of commercial power;

3. If there is no limit to commercial power, please select the full-speed mode. No matter what DLB mode is used, the EV Charger will maintain a minimum charging current of 6A.

Setting method:

Click the DLB configuration button in the setting interface as shown in Fig. 12-1 to open DLB, and then select the appropriate DLB mode according to the current power consumption and save the settings.

How to solve the connecting anomaly with mobile phone?

Operation:

Long press the black button above the main control board of EV Charger as shown in Fig. 13-1 for more than 20s to initialize the current connection mode to Bluetooth mode.

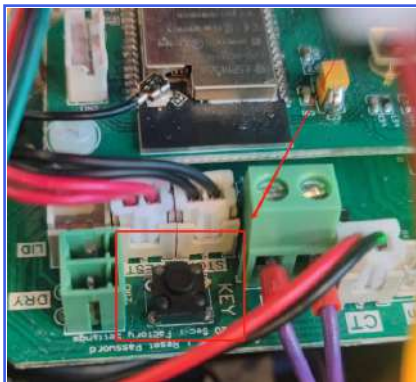


Image 13-1

Function:

OCPP EV Charger supports the simultaneous use and control of multiple accounts, and can be shared with others by scanning the QR code.

1.Click on the cloud logo at upper right corner of OCPP EV Charger (Fig. 14-1) and the “Share” button appears.

2.Click “Share” to generate the QR code of current charger to share with other accounts (Fig. 14-2).

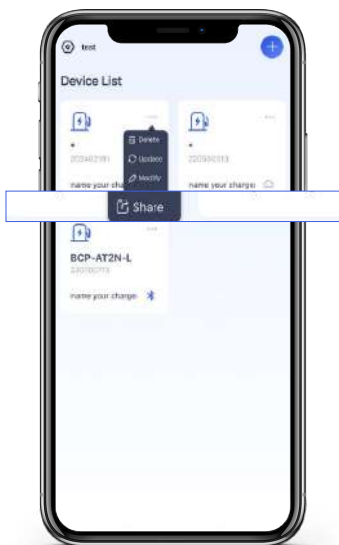


Image 14-1



Image 14-2

How to share OCPP EV Charger with other accounts?

How to modify the account information?

On the Account Setup page (Fig. 15-1), you can modify the account name and password.

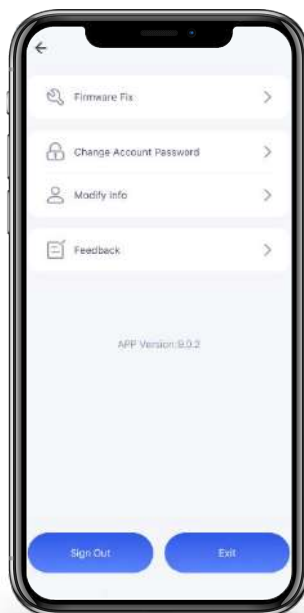


Image 15-1

Function:

Switch the OCPP EV Charger bound by the account to Bluetooth mode.

1.Click “Switch Bluetooth Mode” in the settings (Fig. 16-1);

2.Input the AP password(default:12345678) of EV Charger(Fig. 16-2) and click “Confirm”.

How to switch EV Charger from OCPP to Bluetooth?

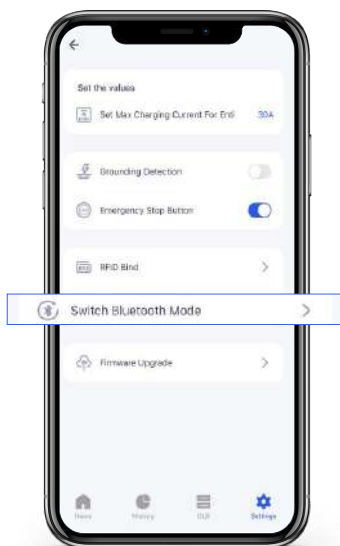


Image 16-1



Image 16-2

How to view the charging history?

Function:

You can view the statistics of the last month, last 12 months and accumulated charging quantity.



Image 17-1



Image 17-2

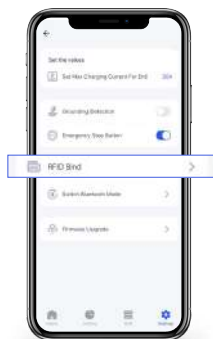


Image 18-1



Image 18-2



Image 18-3



Image 18-4

How to bind RFID Card with APP?

Function:

After the RFID card is bound with APP, the user can directly use the RFID card to start charging.

1. After the EV Charger is connected successfully, click "Settings" to enter the setting page of EV Charger (Fig. 18-1)
2. Click "RFID Bind" to enter the RFID Card add page (Fig. 18-2)
3. Click "Add" at the middle of the bottom to enter the RFID Bind page (Fig. 18-3)
4. Input the number on RFID card
5. Click "Add", and RFID code is bound successfully (Fig. 18-4)



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