

Wall Box Installation manual

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<http://chongdianbei.x-cheng.com/apk/doc/WallBoxInstallationManual.pdf>

DS Charge APP Manual

Page30-59

<http://chongdianbei.x-cheng.com/apk/doc/DSChargeManual.pdf>

Smart charge APP manual (old version Charging station before January

15, 2021) Page60-80

<http://chongdianbei.x-cheng.com/apk/doc/SmartChargeAPPManual.pdf>

Charging Station - Installation Manual



CHARGING STATION INSTALLATION MANUAL

2020-14-09 Fifth Edition

EN

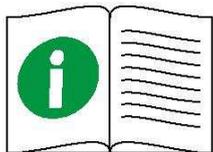
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1. Installation Guide

Safety first

Please observe all following safety and user information:



Relevant local regulations for operating electrical devices always apply.



Indicates: Risks arising from damage to the device Risks for other users.



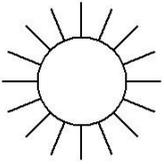
Indicates: Dangerous electrical currents /
Dangers to life and body parts.



Indicates: important information and particularities.



1. Suitable for garages, carports or outdoor as well as for underground parking garages, apartment blocks, hotel parking lots etc.
2. for wall mounting or freestanding with matching Duostar stainless column,
3. IP class: IP 55(Splash-proof)



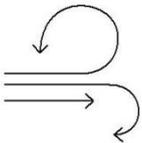
Charging station should not be directly exposed to sunlight.



The installation site must offer protection against rain and running water or other liquids.



Keep away from fire to ensure personal safety.

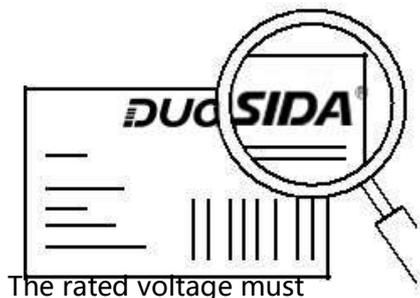


The installation site must offer sufficient space.

We recommend that this product be installed in a place that is rainproof and sun proof, or it can be equipped with protective function. This can reduce the possibility of failure and extend the life of the product. If you need support, please contact your supplier.

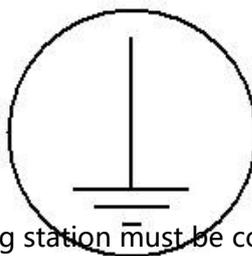


1.1 Safety and user information



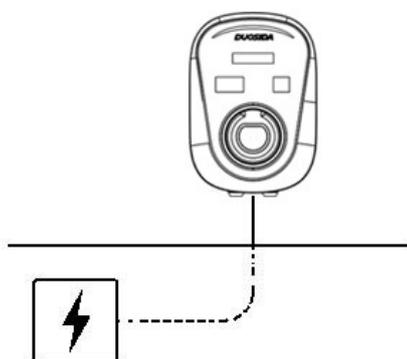
The rated voltage must

be observed.



Charging station must be connected

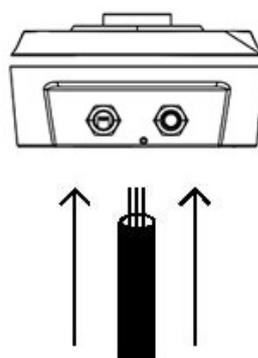
to a protective earth conductor



1. Ideally, the installation site should already provide for a connection to the electricity grid.

2. Otherwise, a power supply cable especially.

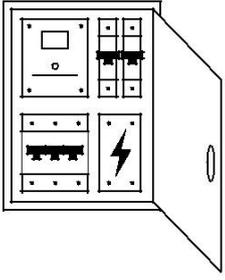
3. If unsure, please contact your Specialist electrical contractor



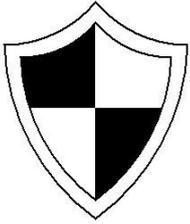
1. Ideally, the cable entry is from the underside of the housing base

2. Above or below surface must be installed

power supply possible.



The power supply in the domestic power distribution box must be protected separately by a suitable and accurate dimension miniature circuit breaker (C characteristic)



Complies with all technical safety requirements, standards and guidelines.

Represents the current state of technology

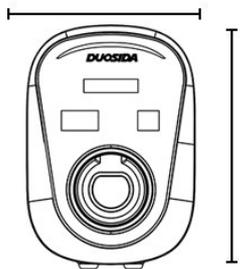


DC fault current detection is required by law in many countries

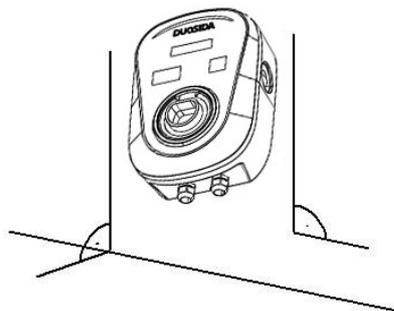
1.2 Delivery package / accessory pack

RFID card	3(Optional)
APP function and Installation manual	1
Installation drawing	1

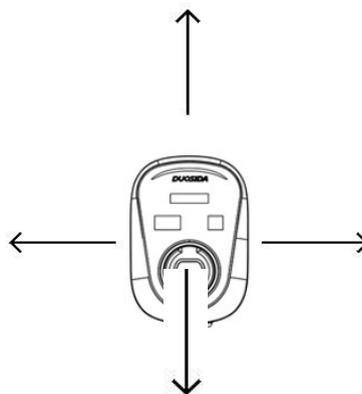
1.3 Installation requirements



The installation surface measures at least 262 x 222 mm (height x width).



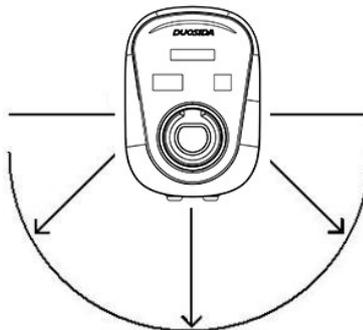
The mounting substrate must be level and firm.



Minimum distances to other technical installations must be observed.

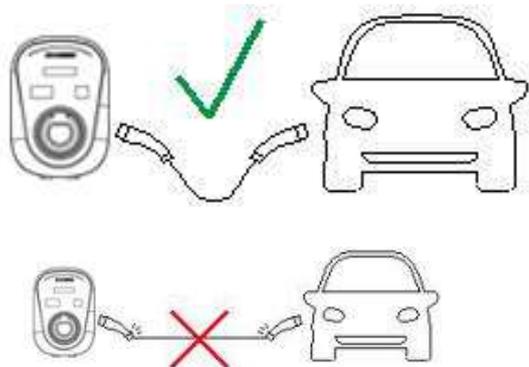


The installation height is between 140 and 160 cm (floor to bottom edge of housing).

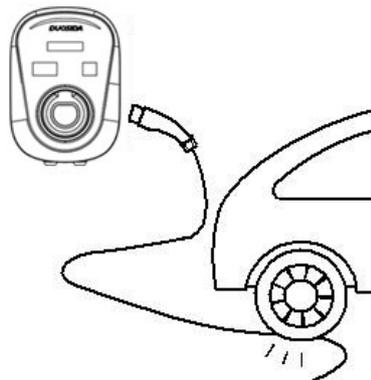


The installation site must be freely accessible.

1.4 Dos and don'ts



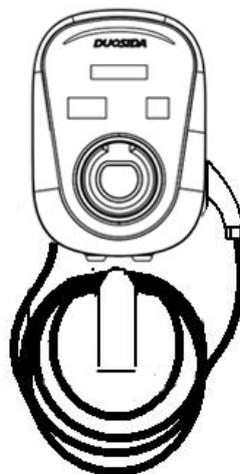
The charging cable must not be under strain, during the charging process.



The charging cable and the charging connector must not be driven over.

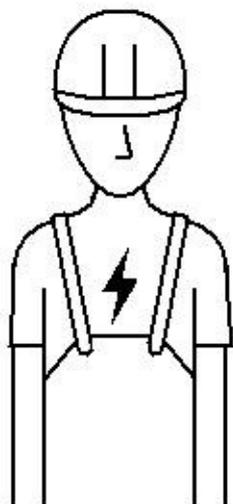


The charging cable must not be coiled, be kinked or twisted



The charging cable must be tightly and stored.

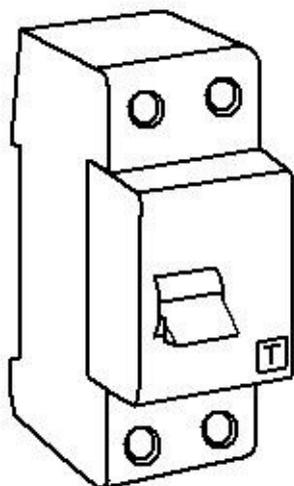
1.5 Installation notes



(De-)installation and repairs must only be carried out by a specialist electrical contractor

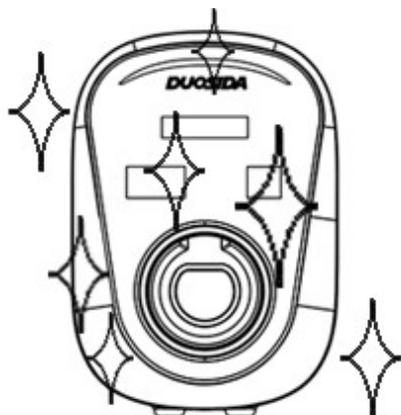
No modifications must be made to the charging station

None of the components have to be maintained by the user



The different models have a bit difference in their sizes , appearance and function. The charging station can be installed by yourself according to the following installation procedure.

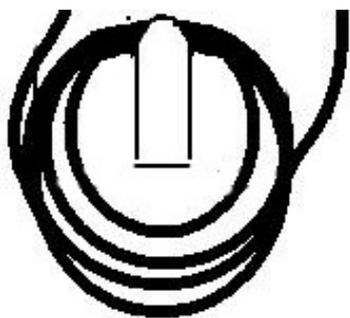
1.6 Cleaning and maintenance



Charging station must only be cleaned using a dry cloth.



Maintenance must be checked regularly.



Cable must be checked regularly if there is any damage or aging phenomenon.

1.7 Introduce

1.7.1 Product information

DUOSIDA
WALL BOX

MANUFACTURER :	DUOSIDA
MODEL NUMBER :	2030-SES-32-O-3
SERIAL NUMBER :	XXXXXXXX
DATE OF MANUFACTURE :	XXXX.XX.XX
RATED SUPPLY VOLTAGE :	400V/AC 50/60HZ
RATED OUTPUT VOLTAGE AND CURRENT :	400V/AC,32A,22KW
NUMBER OF PHASES :	THREE-PHASE
IP CODE :	IP55(STORAGE) IP54(MATED WITH VEHICLE)
OPERATING TEMPERATURE:	-30°C~+50°C

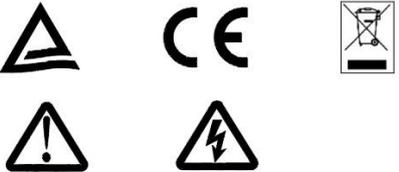
DANGER:High Voltage.Please don't open the cover
WARNING:Only for charging battery electric vehicles and plug-in hybrid electric vehicles
WARNING:Don't unplug or plug in the plug in the case of electricity



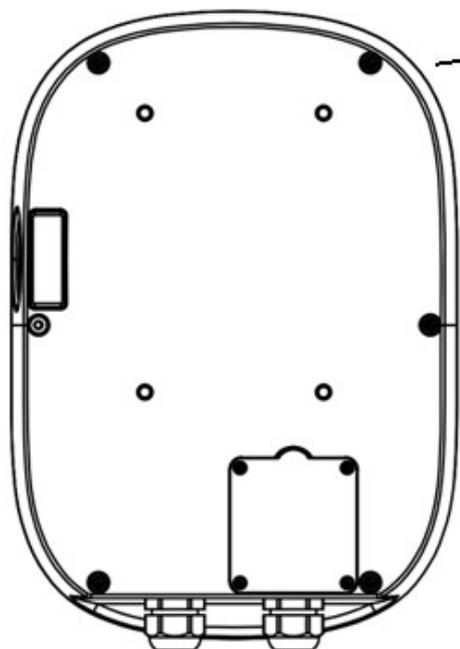
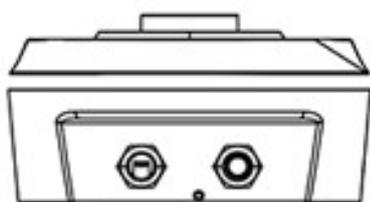
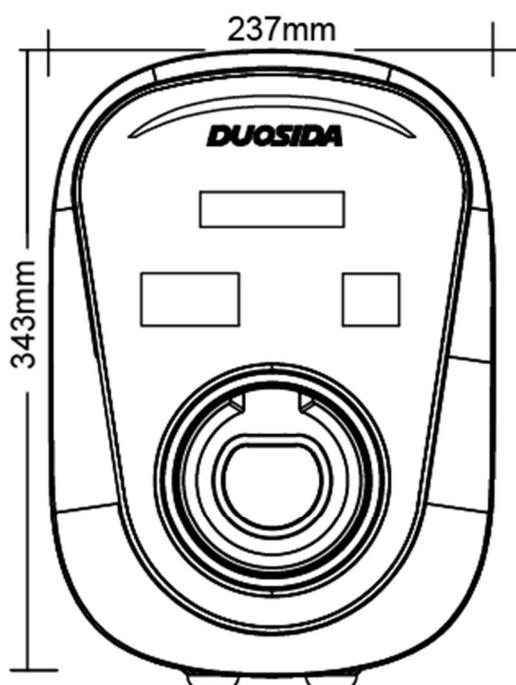
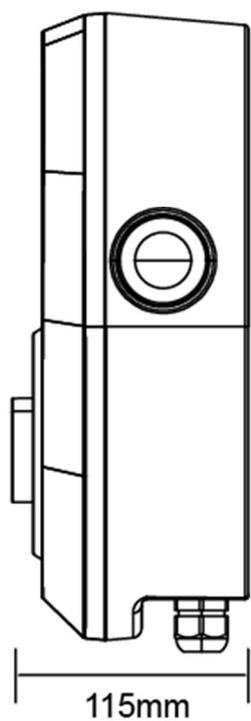
DUOSIDA
WALL BOX

MANUFACTURER :	DUOSIDA
MODEL NUMBER :	2080-SES-32-5C-3
SERIAL NUMBER :	XXXXXXXX
DATE OF MANUFACTURE :	XXXX.XX.XX
RATED SUPPLY VOLTAGE :	400V/AC 50/60HZ
RATED OUTPUT VOLTAGE AND CURRENT :	400V/AC,32A,22KW
NUMBER OF PHASES :	THREE-PHASE
IP CODE :	IP55(STORAGE) IP54(MATED WITH VEHICLE)
OPERATING TEMPERATURE:	-30°C~+50°C

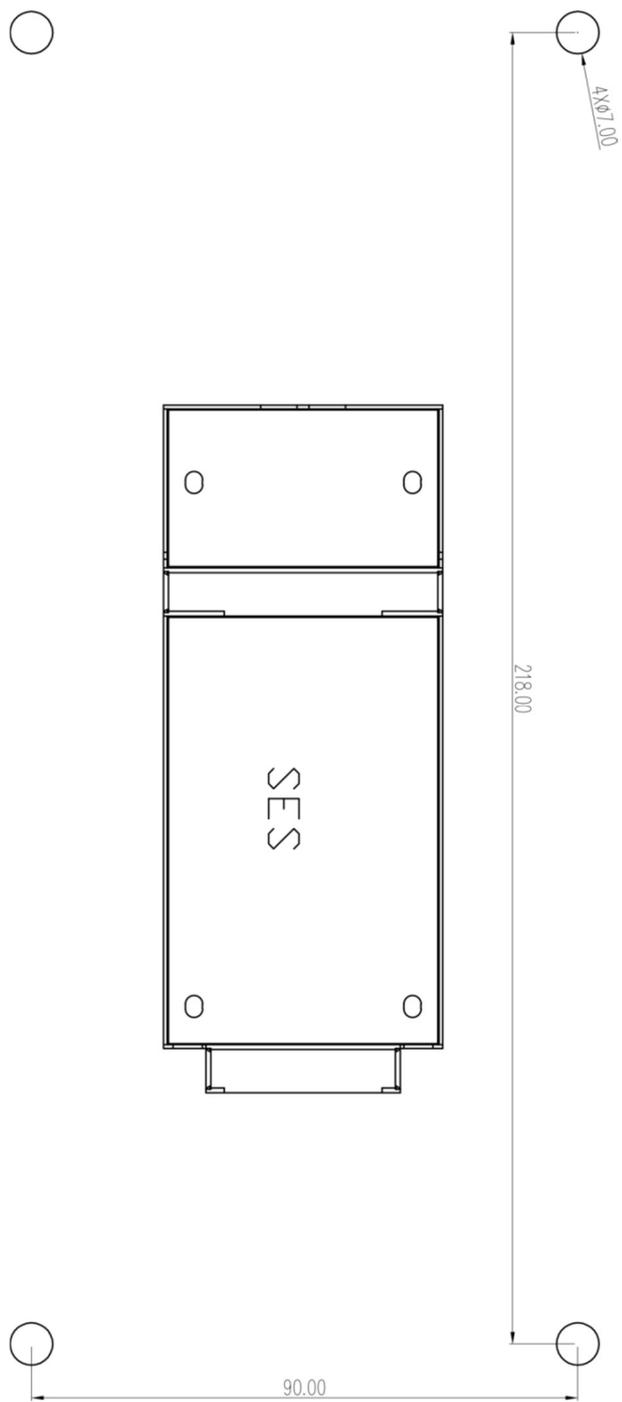
DANGER:High Voltage.Please don't open the cover
WARNING:Only for charging battery electric vehicles and plug-in hybrid electric vehicles
WARNING:Don't unplug or plug in the plug in the case of electricity



1.7.2 The dimensions



1.7.3 Drawing



Installation drawing

1.7.4 Mounting plate



Mounting plate

Fixed behind the charging station housing



Mounting plate

Fixed to wall

1.7.5 Expansion bolts and screws



Screws and tools for fixing charging station



Hook: it is used to wind and fix charging cable

1.7.6 Charging station body



1.7.7 Charging plug



V4-DSIEC2b-EV32P

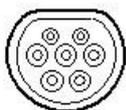


V4-DSIEC2e-EV32P

Charging gun : Provide 16A / 32A for choosing

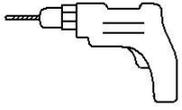
Superior protection performance, the protection level reaches IP54

(working state)



1.8 The installation procedure

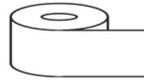
1.8.1 Installation tools



Electric drill



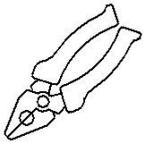
Wrench



adhesive tape



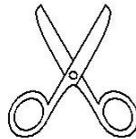
bolt driver



Pliers



Knife



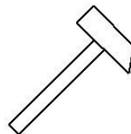
scissors



pencil

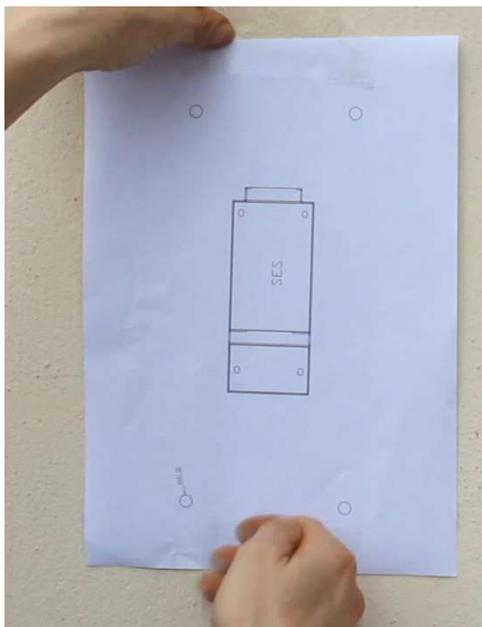


screw

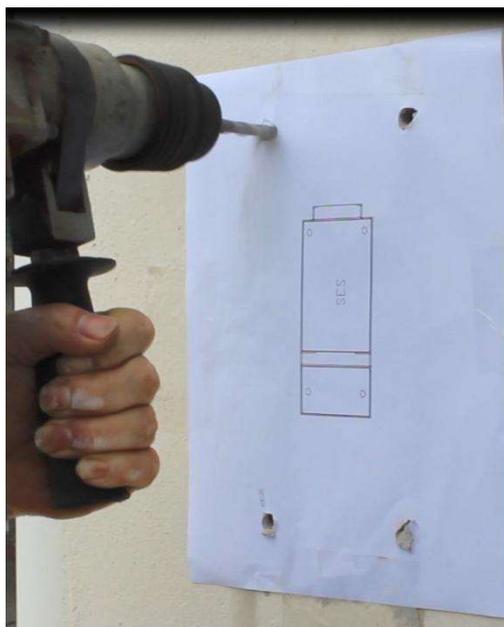


hammer

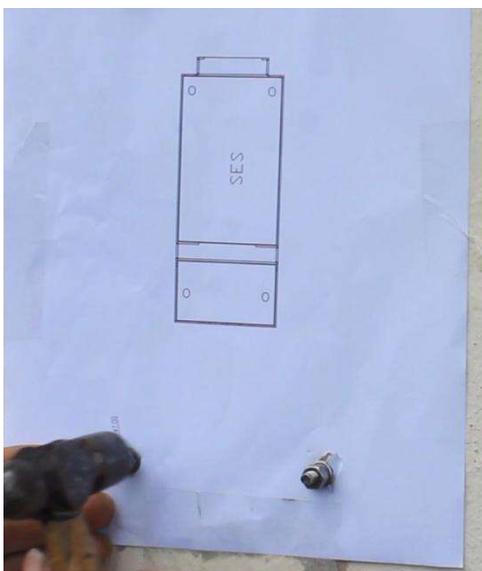
1.8.2 Installation process



1. Stick the drawing on the wall with tape to decide the drilling hole position.



2. Drill holes in the four corners with an electric drill.



3. Knock the expansion screws in fixed holes with a hammer.



4. Hang the mounting plate on the screws.



5. Tighten the top screws with a wrench.

6. Tighten the lower screws with a wrench.



7. Hang the main body of the mounting

8. Tighten the anti-theft screw to charging station on the ensure outdoor safety plate.



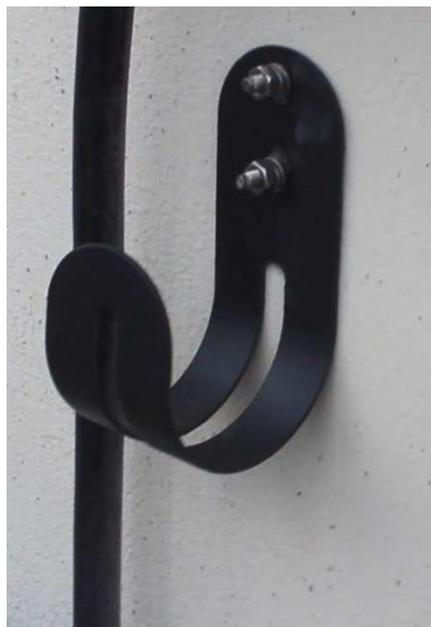
9. Use a pencil to draw the location where the hook needs to be punched.



10. Use an electric drill to make holes in the drawing position.



11. Drive the expansion screws in with a hammer.



12. Tighten the screws with a wrench.

1.8.3 Electrical connection

Requirements

- Connect the wires to the RCD in sequence
- Pay attention to the correct order when connecting.
- Reversing the polarity of the cables will destroy the electronics of the wallbox.
- Setting the charging current.
-

!!!ATTENTION!!!

The charging current must never be set higher than the line fuse itself.

If the wallbox is to be operated with an output of 11 kW, it must be protected with a 20 A fuse (over current protection).

If the wallbox is to be operated with an output of 22 kW, it must be protected with a 40 A fuse (over current protection).

1.9 First commissioning

- Pay attention to release the emergency stop switch. Arc-LED and cyclo-LED is blue.
- The nameplate is located to the left of the charger.
- You can start charge with plug in charging gun or use the APP.
- the power supply has been established when arc-LED blink and cyclo-LED often on.

Explanation of the different light signals

Condition	Arc-LED light	Cyclo-LED light	Remarks
E-stop	Red	Red	
Standby	Blue (flashing)	Blue (flashing)	
Prepare charging	Green	Green	
Charging	Green	Green (flashing)	
End of charging	Green	Blue	
Electric leakage	Red (flashing)	Red (flashing)	
Over voltage Under voltage	Red	Blue	
Overcurrent protection	Red	Green	
Over temperature protection	Red (flashing)	Blue (flashing)	
Hardware failure	Red	Green (flashing)	
Power off	No light	No Light	

Before the first commissioning:

According to "Ordinance on general conditions for grid connection and its use for electricity supply in Low voltage (Low Voltage Connection Ordinance - NAV) " in §19 the following points have to be clarified with the network operator:

„Section 19 Operation of electrical systems, consumables and charging devices, own systems

(1) The system and consumables are to be operated by the connector or user in such a way that faults occur other connectors or users and disruptive repercussions on network operator facilities or Third parties are excluded.

(2) Extensions and changes to systems as well as the use of additional consumer devices are the Notify network operators if this increases the capacity to be maintained or with network repercussions is to be expected. Charging devices for electric vehicles are also prior to commissioning to communicate. Their commissioning also requires the prior consent of the network operator, if their total rated power exceeds 12 kilovoltampere per electrical system; is the network operator in this case, obliged to express itself within two months of receiving the notification. Is that true Network operator, he has the impediment, possible remedial measures of the network operator and the Connected party or user and a time required for this by the network operator. The network operator can regulate details of the content and form of the messages.

(3) The connector or user must notify the network operator before setting up his own system do. The connectors or user must take appropriate measures to ensure that his Own plant no harmful repercussions in the electricity supply network are possible. The connection of own systems is to be coordinated with the network operator. This can be the connection of compliance with the make it dependent on measures to be taken to protect against reverse voltage in accordance with Section 20. "

Before the first commissioning with an electric car the following tests must be carried out with an adapter for vehicle simulation (CP) according to VDE 0122-1:

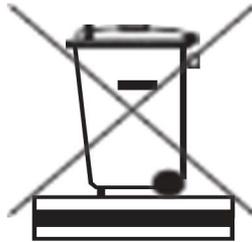
AC charging		
Measurements according to DIN VDE 0105-100 - recurrent tests in operation		
Measurements		
The following tests are to be carried out with an adapter for vehicle simulation (CP) according to VDE 0122-		
Measurement task	measurement method	values
Continuity of the conductors	Resistance measurement of the conductors	PE <1.0 Ω PA <0.1. Ω
Insulation resistance of the protective conductor to neutral and outer conductors	Measurement of the insulation resistance	≥ 1.0 MΩ
Evidence of the effectiveness of the protective measure is by means of Test adapter in vehicle condition C		
Proof of the effectiveness of the protective measure with residual current device IΔN ≤ 30 mA.	RCD Typ A *1 RCD Typ EV RCD Typ B	IΔN ≤ 30 and note manufacturer's instructions
Proof of the effectiveness of the protective device in the event of a short circuit by measuring the internal resistance ZL-N	measuring the internal resistance	$Z_L = \frac{2}{3} \frac{U_N}{I_A}$
Optional		
Measurement of the protective current	f.e. with clamp ammeter	$I_{lim} = 0.4 \times I_{DN}$
Measurement of the neutral conductor	f.e. with clamp ammeter	$I_{lim} = I_N$
Checking the loading sequence		
Trials loading process according to VDE 0122-1		
Vehicle condition	functional test	result
Status A	no vehicle connected	Yes / No
Status B	vehicle connected, but not ready to load	Yes / No
Status C	vehicle connected and ready for charging, ventilation of the loading area is not required	Yes / No
Status D	vehicle connected and ready for charging, ventilation of the loading area is required	Yes / No
Status E	Failure - short circuit CP - PE via internal diode (charging of DC voltage)	Yes / No

* 1 Observe notes in DIN VDE 0100-722 (VDE 0100-722): 2016-10

(For planning, installation, operation and use, please follow the "Der Technische Leitfaden – Ladeinfrastruktur / Elektromobilität (Version 3)" [Editor: DKE, bdew, ZVEH, ZVEI, & VDE])

1.10 Environment

- This device is used to charge electrically operated Vehicles and is subject to the EU directive 2012/19 / EU on waste electrical and electronic equipment(WEEE).
- Disposal must be according to national and regional Regulations for electrical and electronic equipment respectively.
- Old devices and batteries must not be disposed of with household waste or bulky waste. Before the device disposed of should it be rendered inoperable.
- Dispose of the packaging material in the Your region's usual collection container for cardboard, paper and plastics.



Wall Box — APP Function Manual



V1.0

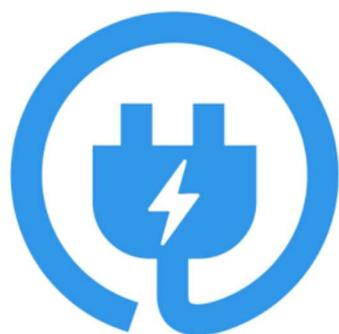
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1 Download and install

Android phone users can search and install “DS charge” through Google play.

Iphone users can search and install “DS charge” through the APP store.



DS Charge



IOS APP



Android APP

Note: All APP functions require charging station to be connected to the router and connected to the Internet.

2 Register

When the user first visits, the user registration is performed by the following steps.

The image shows two side-by-side user interface screens for a login and registration process. A vertical line separates the two screens.

Left Screen (Login):

- Logo: A blue circular icon containing a white plug with a lightning bolt.
- Input field 1: "Enter email address" with an envelope icon.
- Input field 2: "Enter password" with a lock icon.
- Link: "Forgot password?"
- Button: A blue rounded rectangle labeled "Login".
- Text: "No account yet? Go [Register](#)" (the "Register" link is highlighted with a red box).

Right Screen (Register):

- Section Header: "Register".
- Input field 1: "Enter email address" with an envelope icon.
- Input field 2: "Enter password" with a lock icon.
- Input field 3: "Enter password again" with a lock icon.
- Button: A blue rounded rectangle labeled "Register".
- Text: "Have account? Go [Login](#)".

Users will then receive an email to activate their account.

3 Login APP

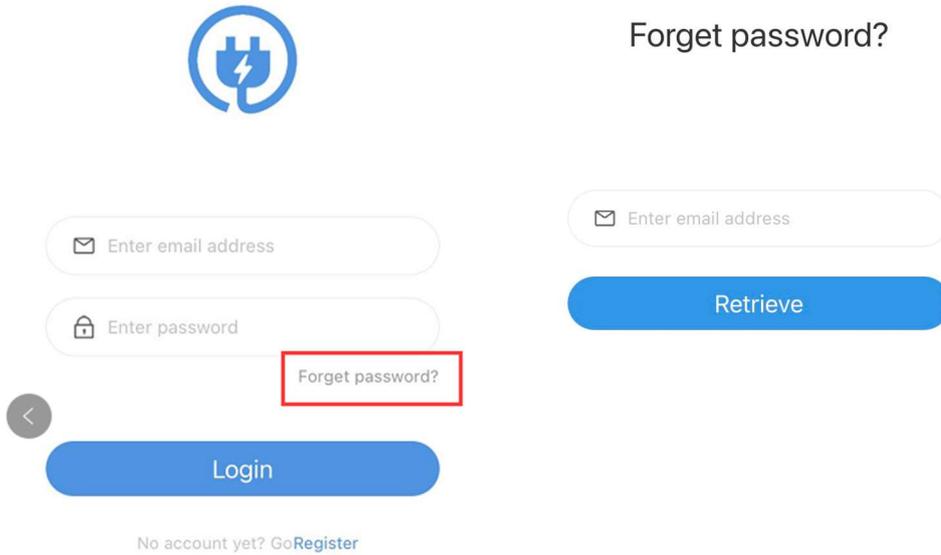


[Forget password?](#)

No account yet? [GoRegister](#)

Please use your account and password to log in.

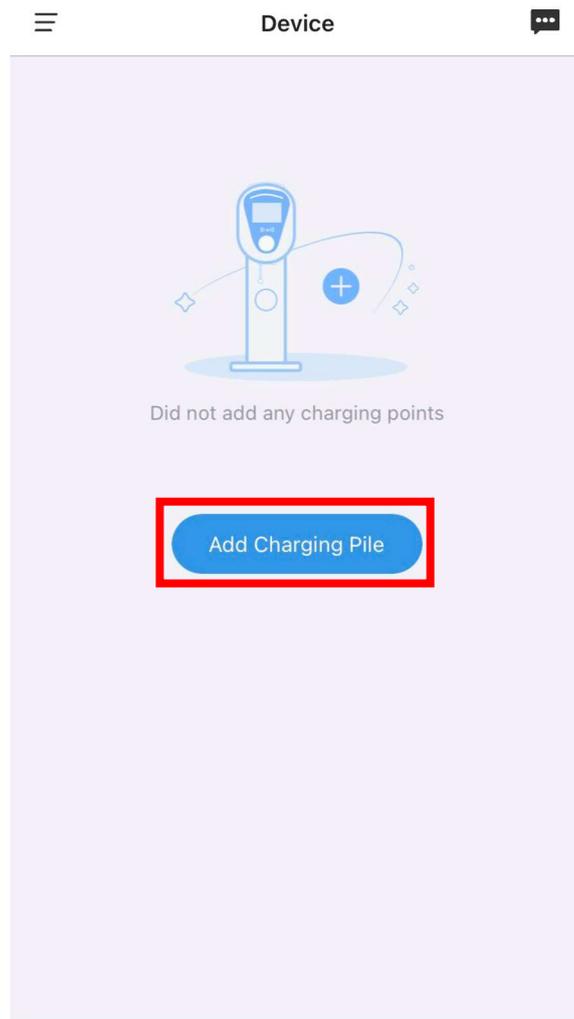
4 Forget password



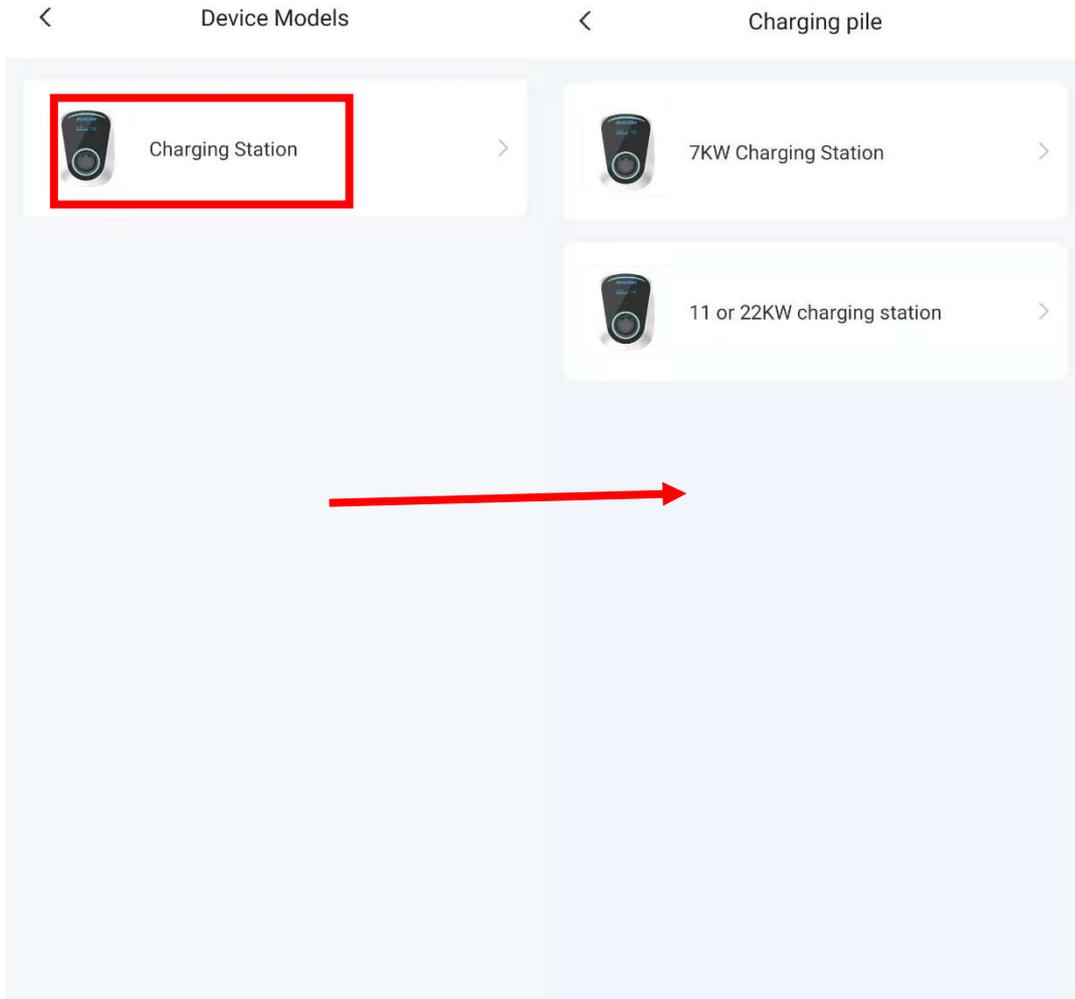
The image shows a user interface for logging in and recovering a password. On the left, there is a login form with a blue circular logo at the top containing a plug and a lightning bolt. Below the logo are two input fields: "Enter email address" and "Enter password". A "Forget password?" link is positioned to the right of the password field and is highlighted with a red rectangular border. Below these fields is a blue "Login" button and a link that says "No account yet? GoRegister". On the right, there is a separate "Forget password?" screen with a single "Enter email address" input field and a blue "Retrieve" button.

Press “Forget password”, and then you will receive an email to change your password.

5 Add charging station



Press "Add charging station" icon

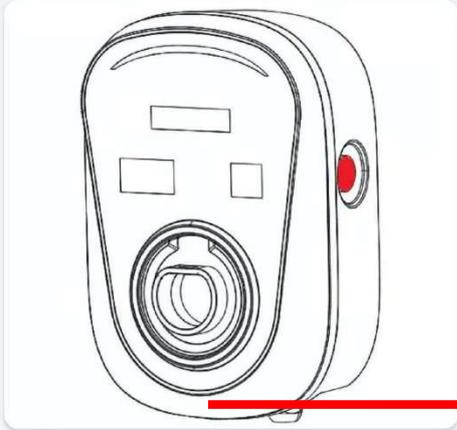


Select charging station, then select “7KW charging station” or “11 or 22KW charging station” to add your charging station.

< Device networking preparation

1/2

Power up your charging station, then wait 5 seconds. Press the emergency button and release it, Repeat 3 times, It will a voice beep in about five seconds later.



NEXT

< Device networking preparation

2/2

Wait for the WIFI indicator to flash slowly.



NEXT

< Link Wi-Fi network

share wifi password to device

分享Wi-Fi密码给设备

ASUS-EVSE-Test >

Enter WiFi password

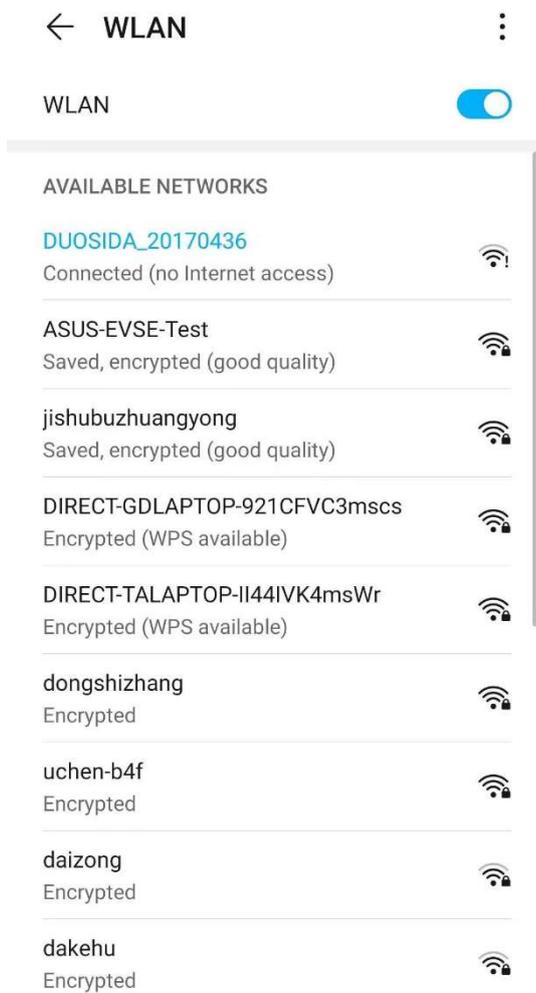
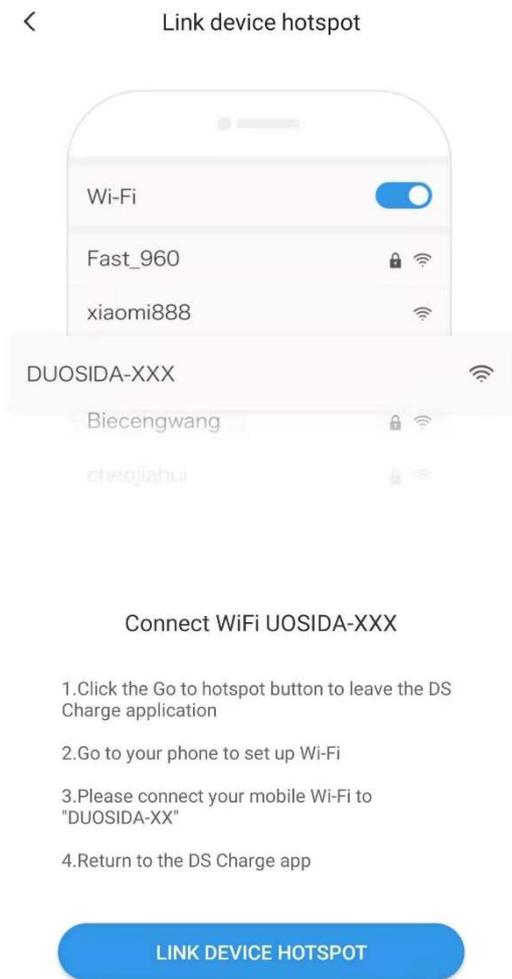
Remember password

OK, CONTINUE

Select the WiFi SSID to which the charging station will connect to the router, and enter the password.



Check router WiFi signal strength.

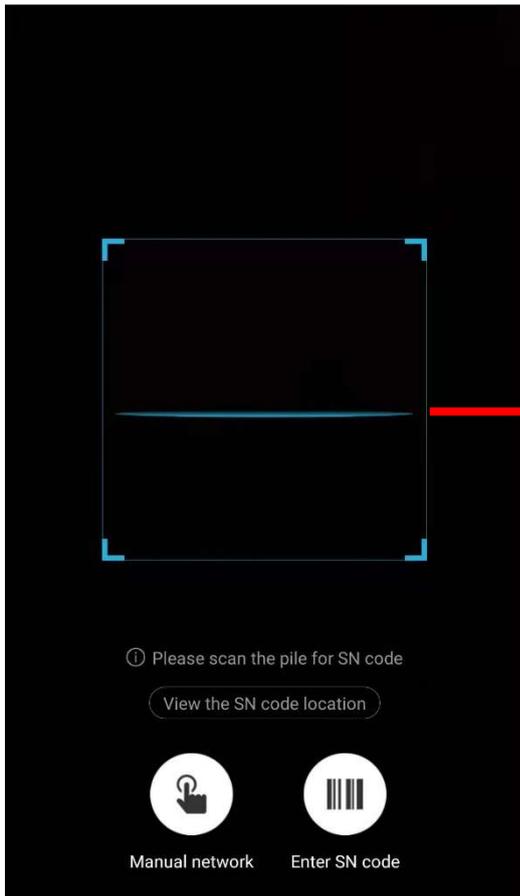


Connect to charging station WiFi.

Password: 'duosida@cp'



Scan code to add



Scan charging station SN code.



ConfigNetworking...



Initializing



Loading finished



try to connect

Distribution network success

Cancel



DS Charge



ConfigNetworking...

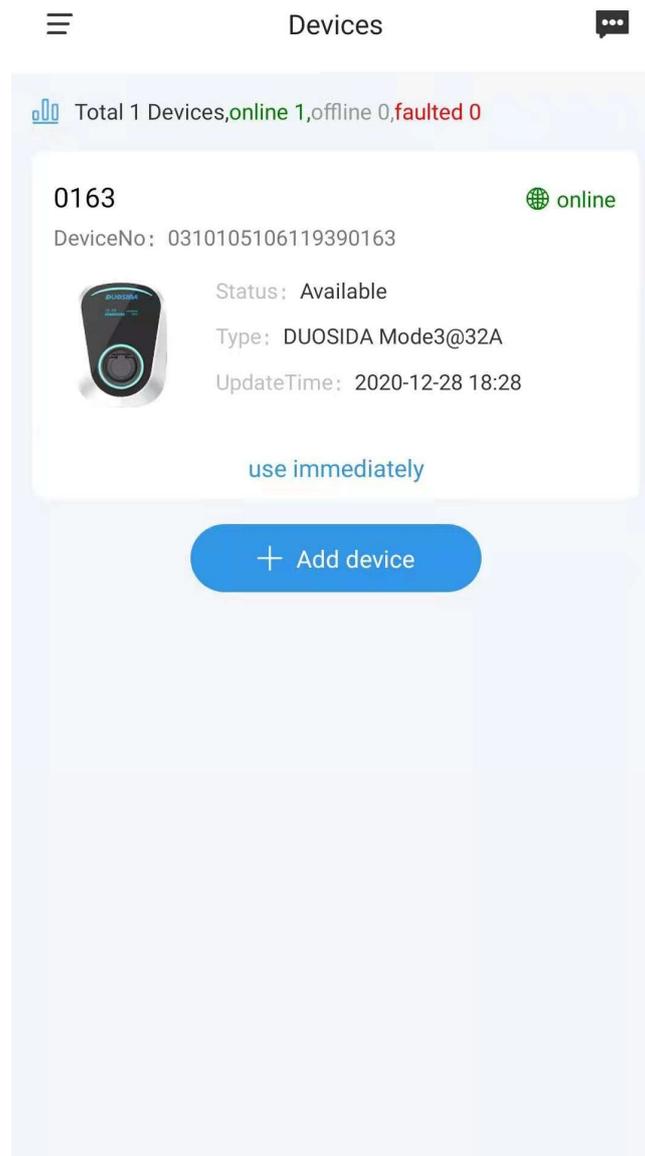


Charging pile name

Start experience

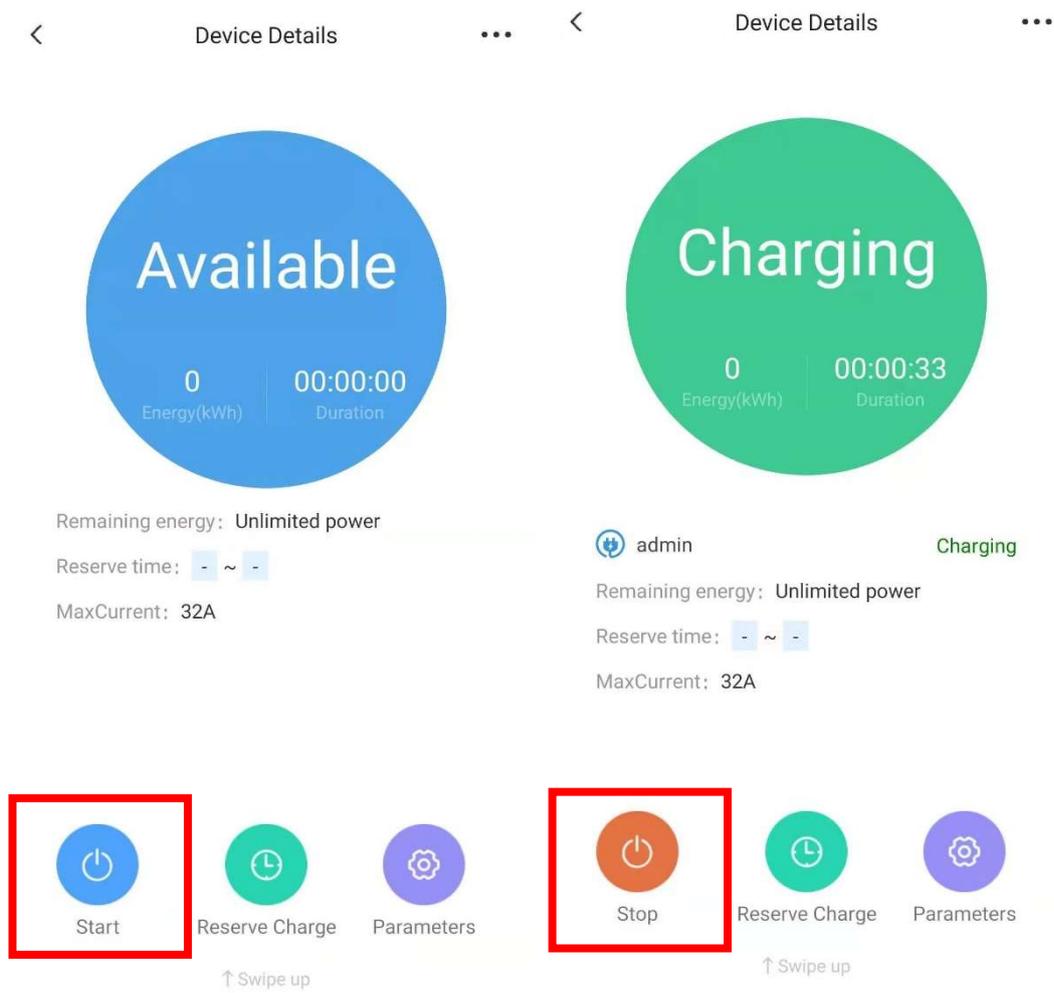
It will take about 2 minutes to configure the network. After success, name the charging station.

6 List of charging station



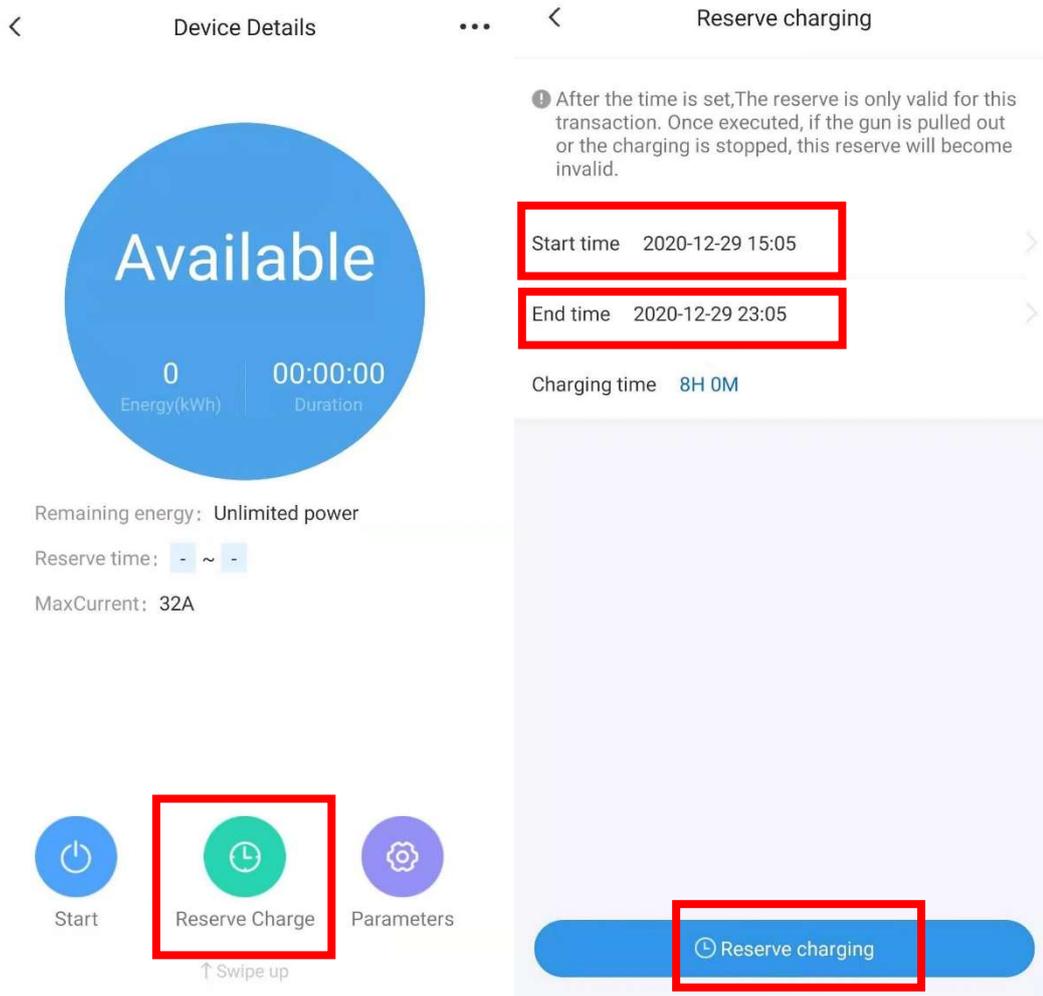
Successful charging station will appear in this area.

7 Start and stop charging



You can use the APP to start and stop charging remotely.

8 Reserve charge



Press “Reserve Charge” into setting page, then select the start time and end time, Press “Reserve charging” to confirm.

9 IC card activated charging

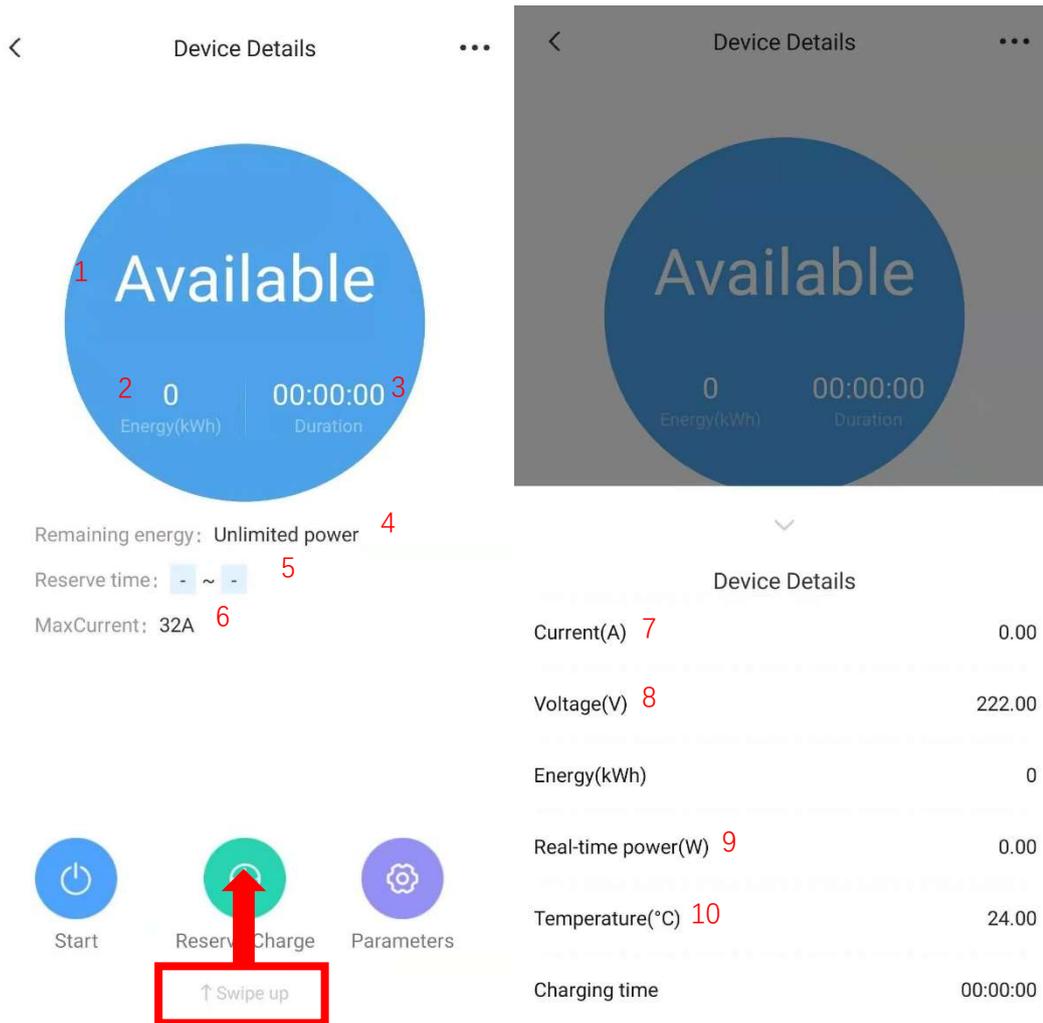


1 Plugging the connector into the vehicle socket.

2 Swing IC card and start charging.

Note: See Chapter 12 for IC card setup. And close “plug then charge mode”.

10 Device details



1 State of charging station. 2 Energy of charging.

3 Time spent on the current charging plan.

4 Remaining available power(kWh) of user.

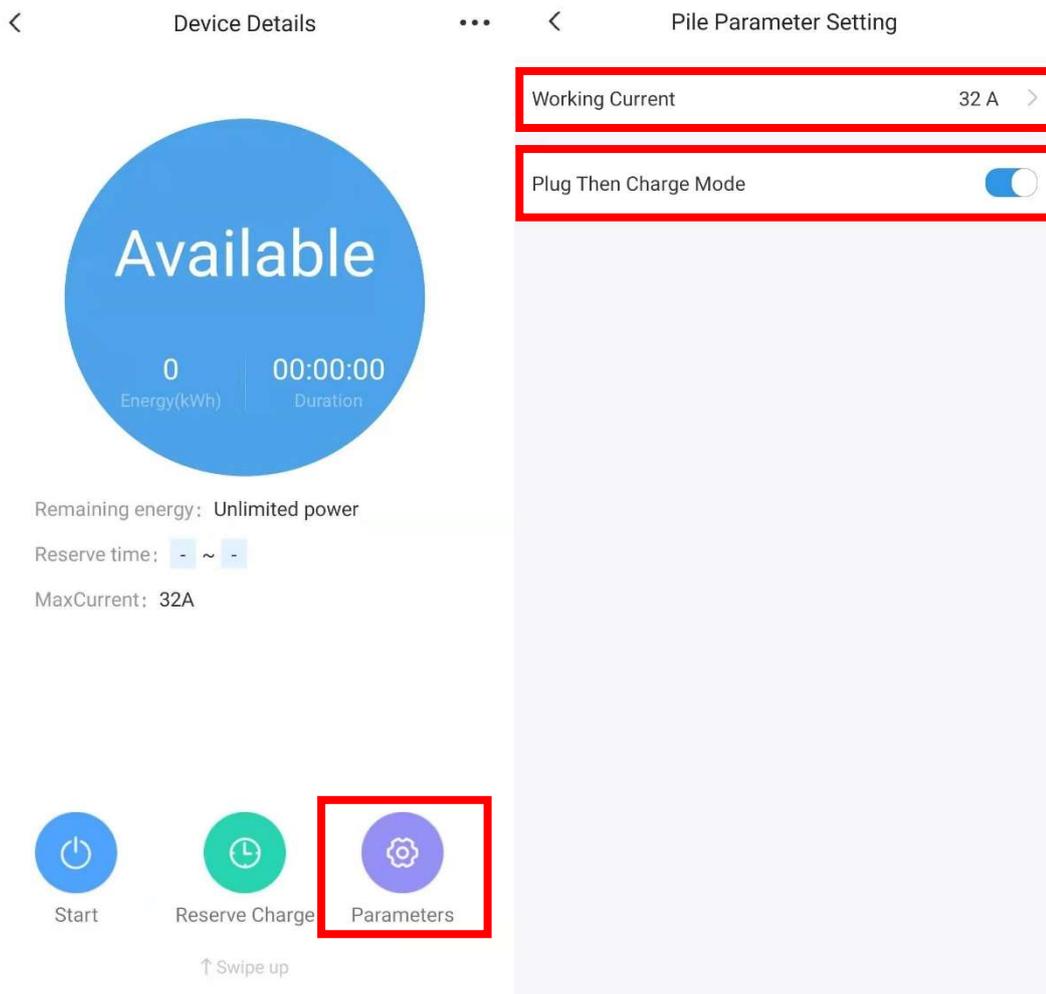
5 Display start and end time of reserve charge.

6 Max charging current. 7 Current of charging.

8 The voltage of charging station.

9 Current charging power. 10 Internal temperature of charging station.

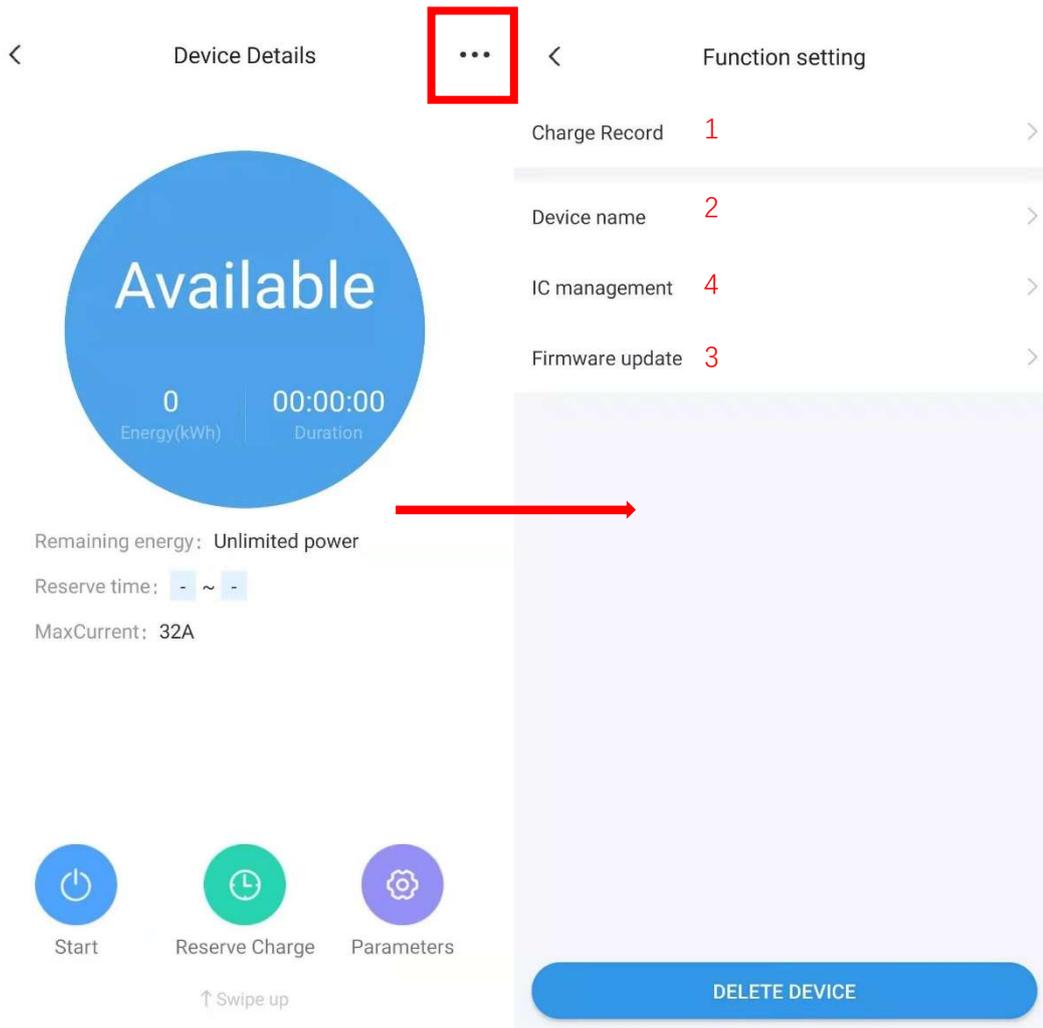
11 Parameter setting



Working current: Sets the maximum allowable charge current.

Plug then charge mode: Users can charge directly after plug the charging connector in vehicle.

12 Function setting

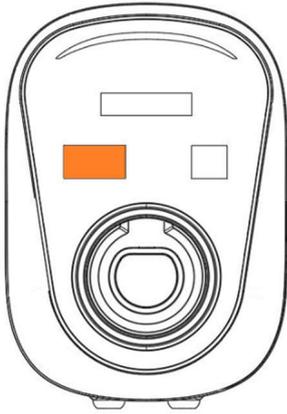


1 User can see the charging history.

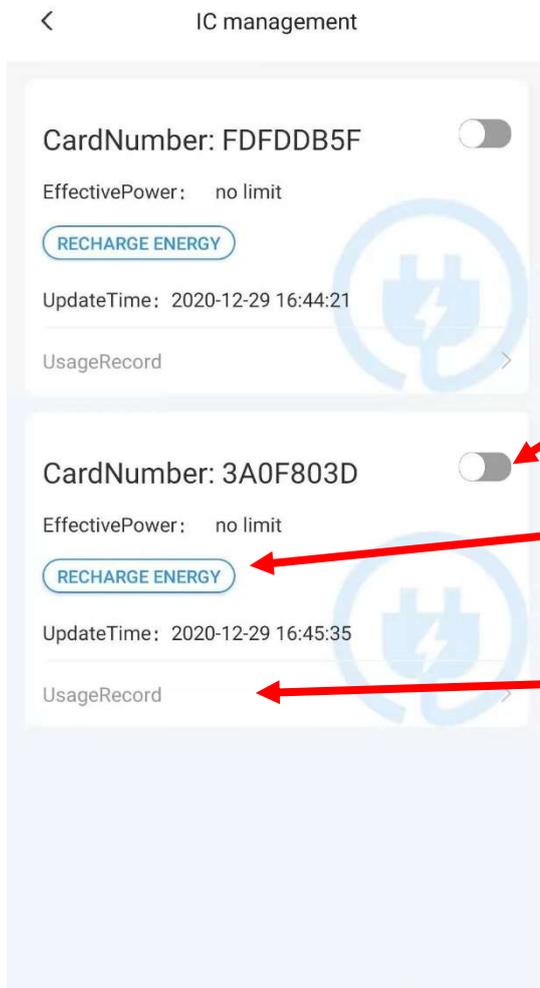
2 User can rename the charging station.

3 User can check the charging station firmware update.

4 IC management



Swipe the IC card on the orange area of the charging station.



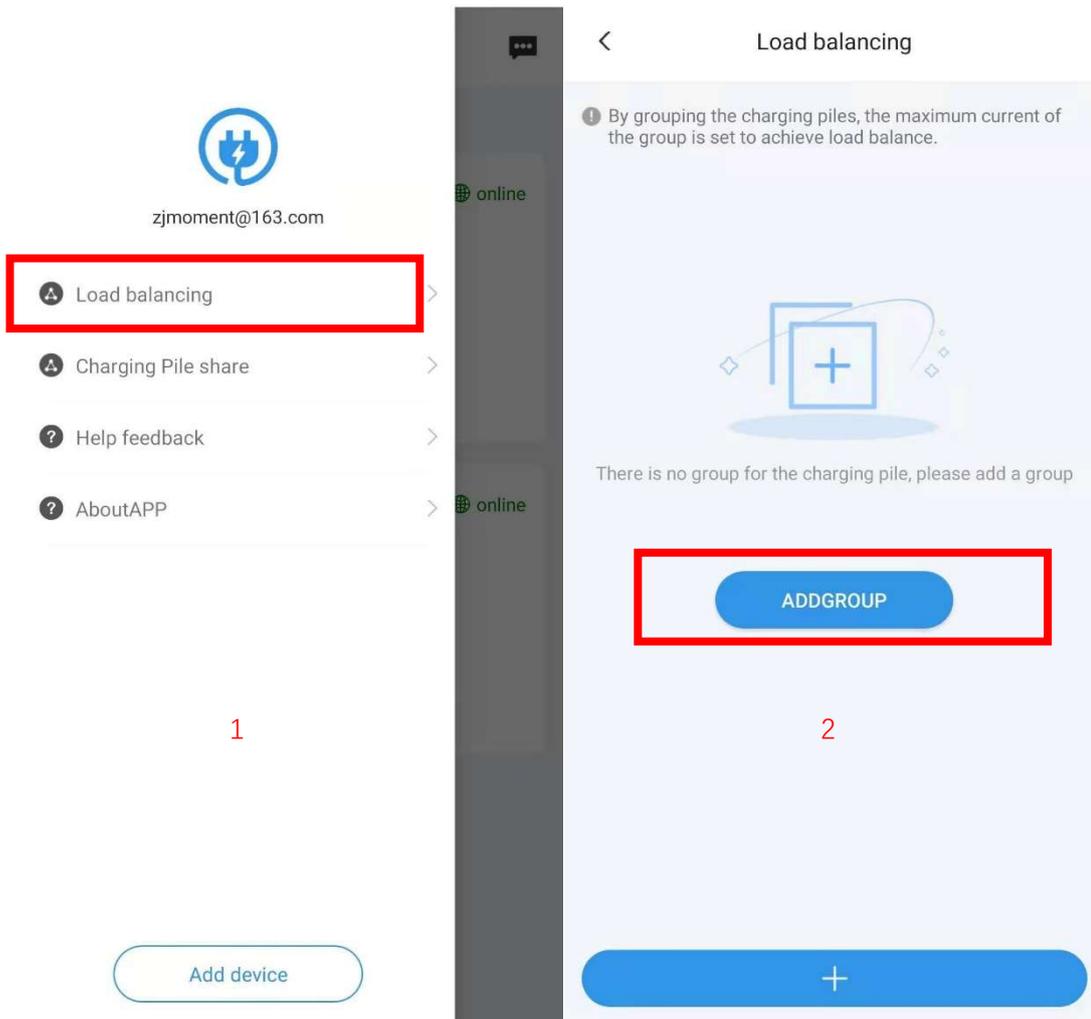
User press and down to refresh page after swiping card.

IC card enable switch

Set the limit power of card

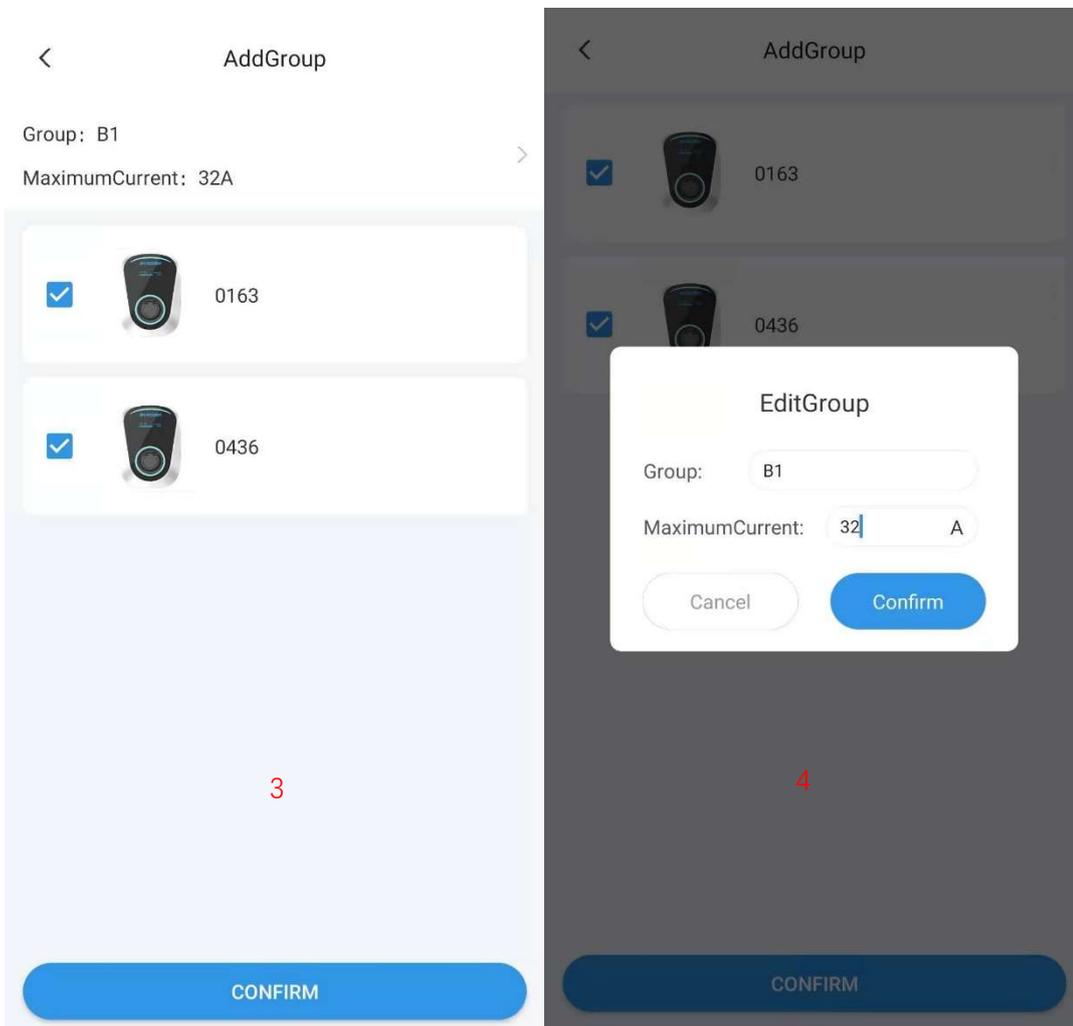
Using history of card

13 Load balancing



Step 1: Select the Load balancing in APP menu.

Step 2: Press the ADD GROUP.



Step 3: Select the required load balanced charging stations.

Step 4: Set Group name and Group Max current.



Load balancing



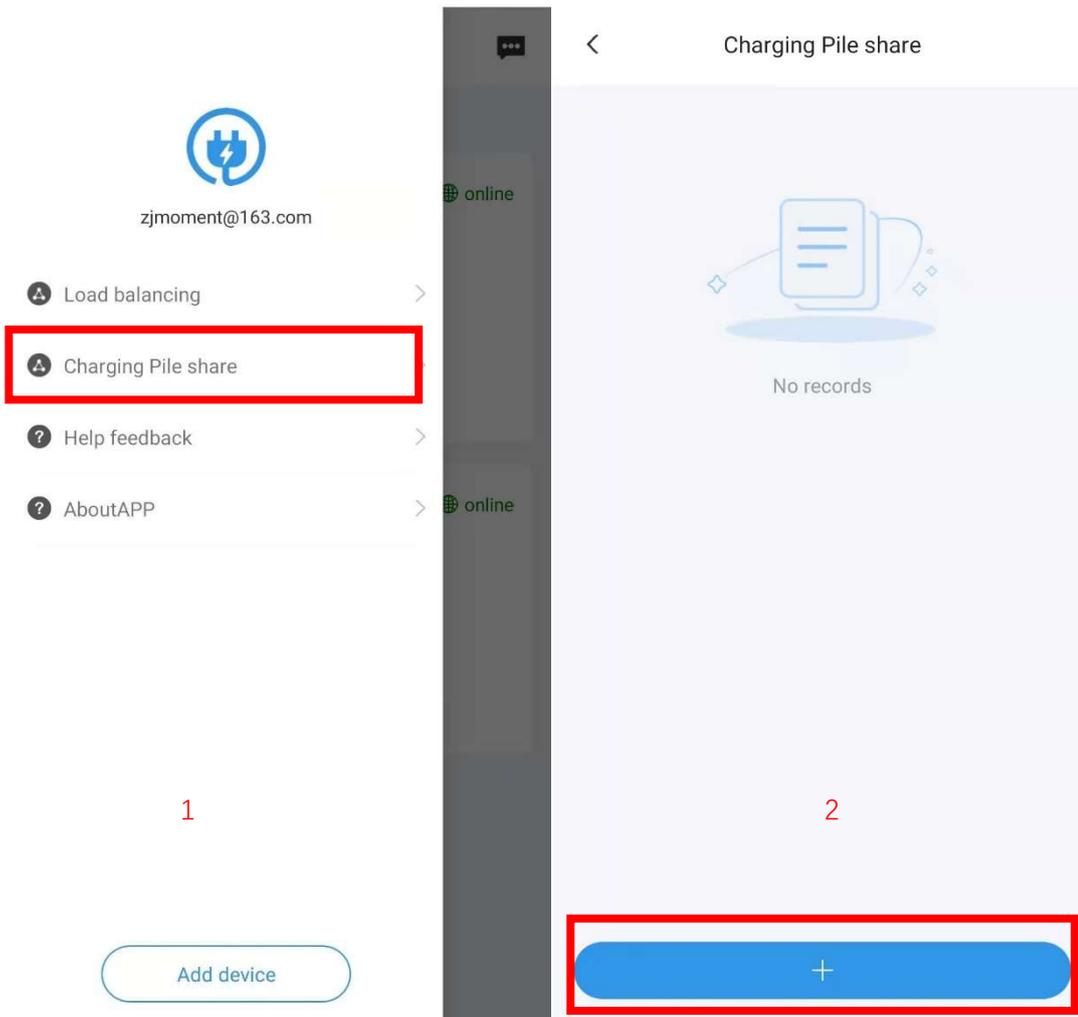
Group: B1

MaximumCurrent: 32.0A



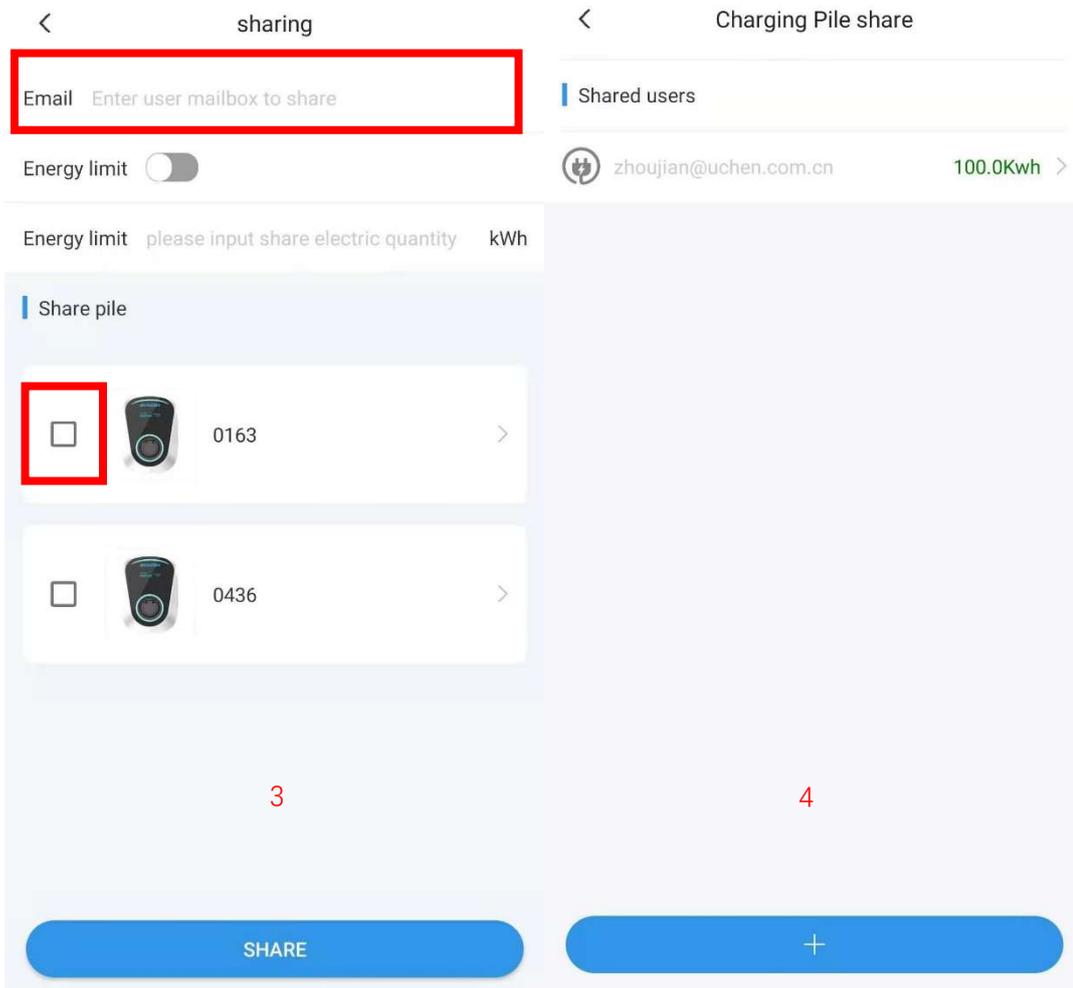
When multiple charging stations in the group are charged at the same time, The charging stations will distribute the current equally, if total current of the charging stations reaches the group limit max current.

14 Charging station share



Step 1: Press charging station share in APP menu.

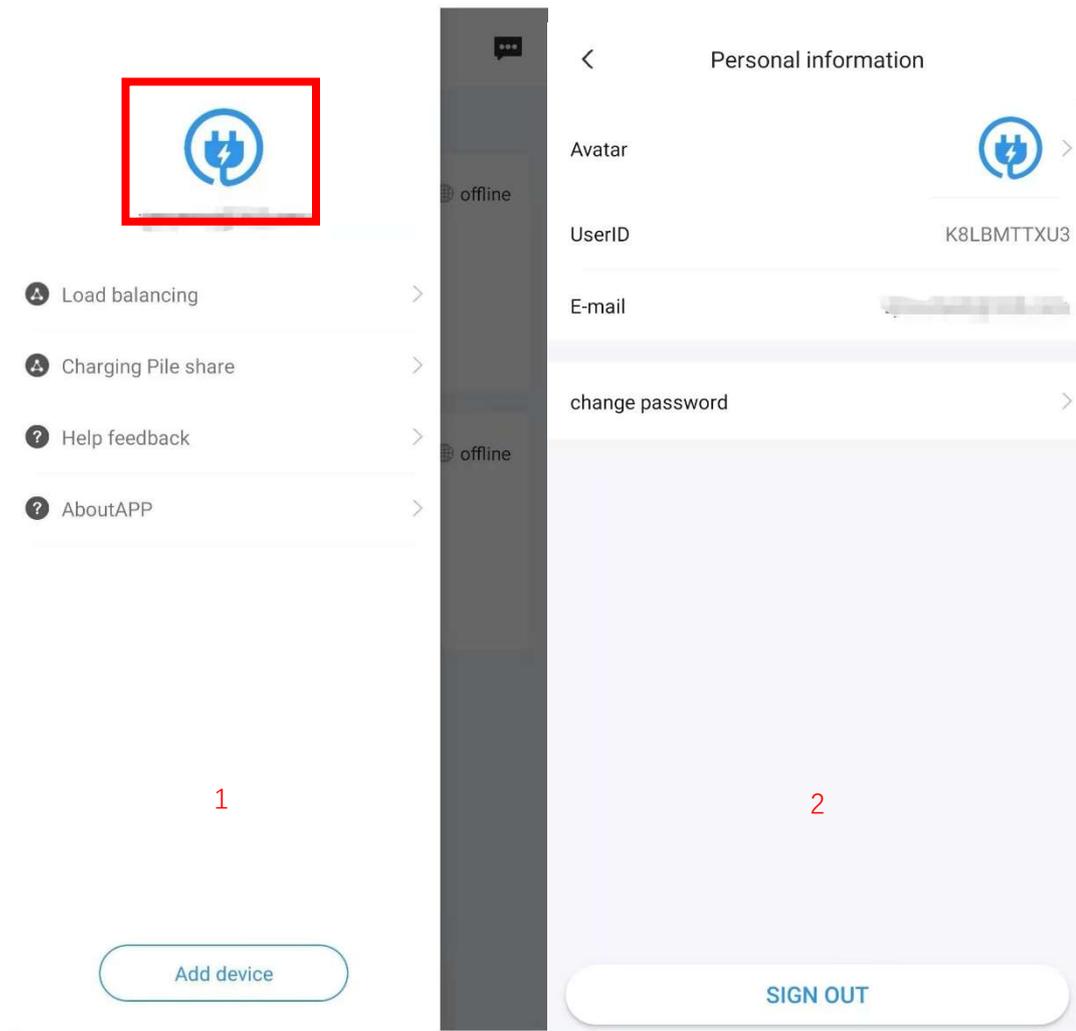
Step 2: Press symbol +.



Step 3: Fill in the sharing user's e-mail, Select charger station to share. And it can limit the amount of energy users can charge.

Step 4: Completed sharing.

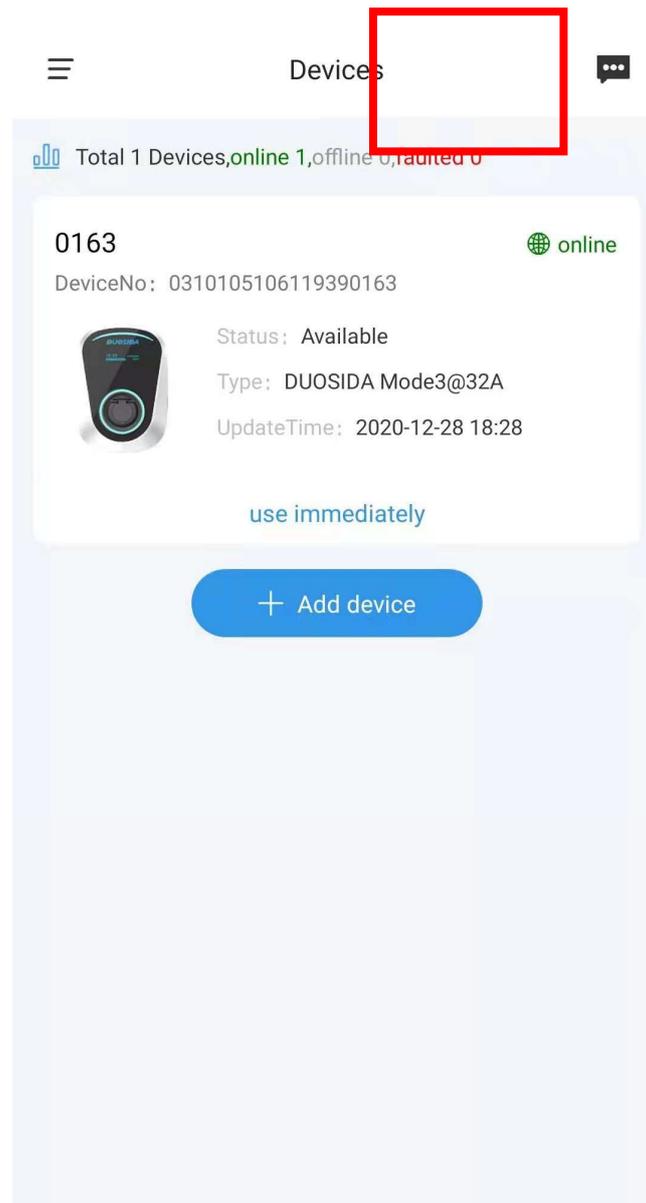
15 Personal information



Step 1: Press the icon from the menu to enter personal setting.

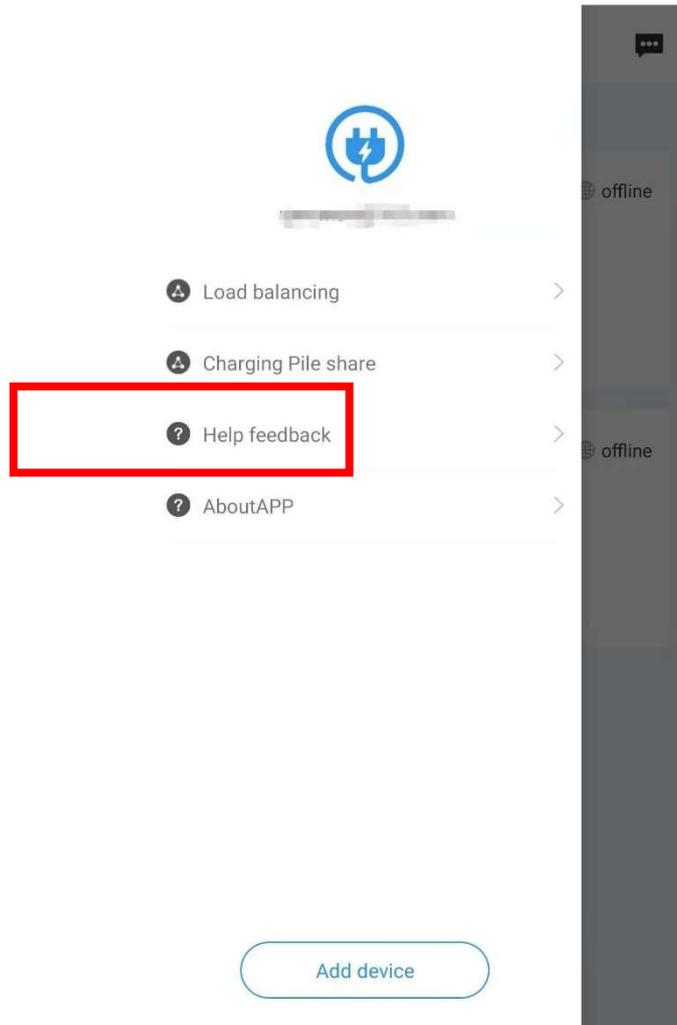
Step 2: User can change the Avatar and password in this page.

16 Message center



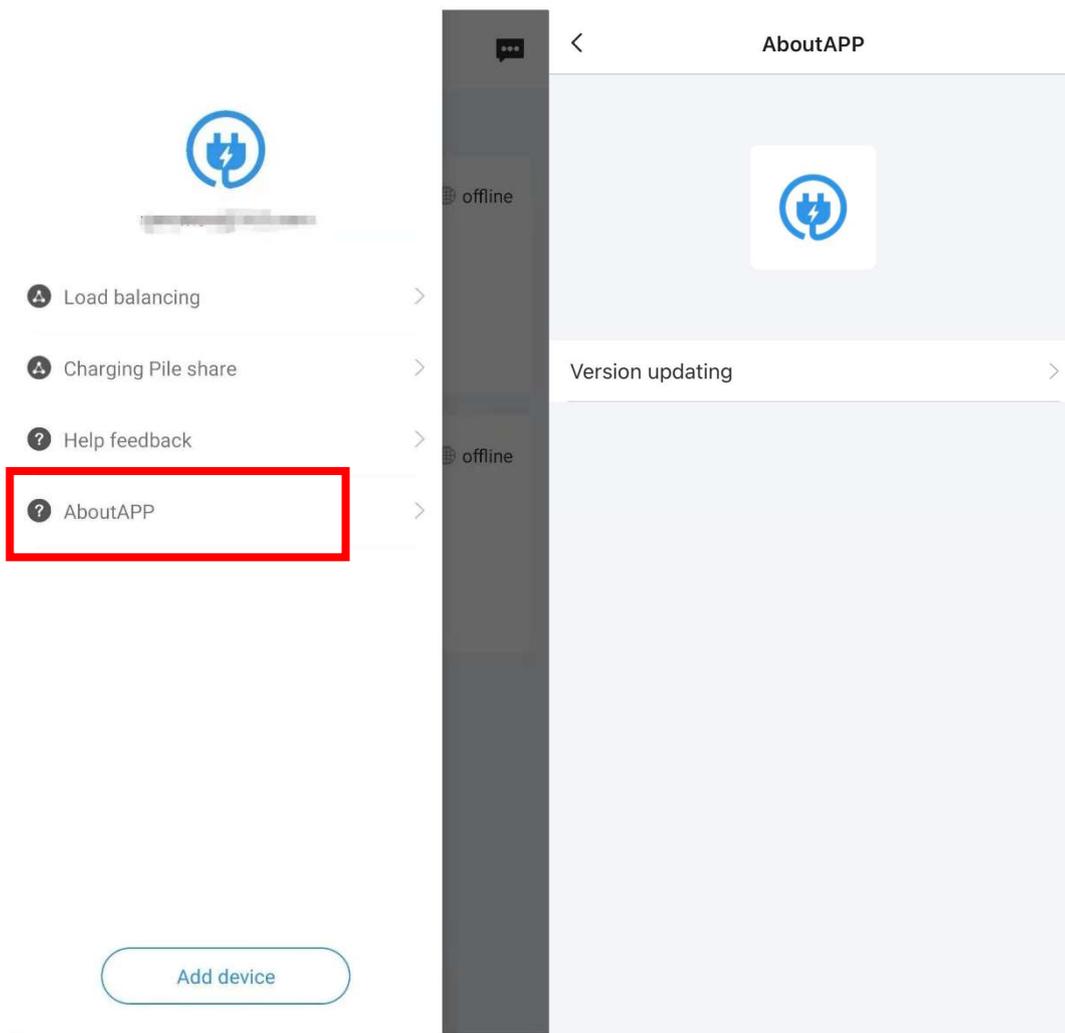
The message center contains system messages and feedback.

17 Help & feedback



The FAQ and user's manual can be found here, and user can feedback questions.

18 About APP



User can check software updating information in this page.

Smart charge APP Function Manual

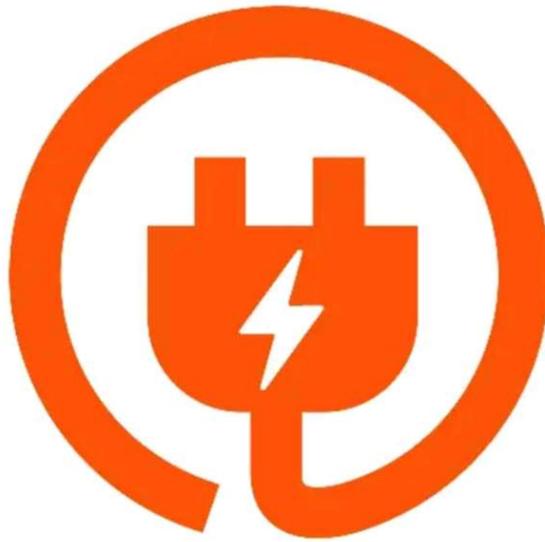


Content

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1. The APP

You can find the APP “**Duosida Charger**” in your App- or Play-Store.



Charge Point Details

Check found EV side S2 Switch disconnected.

Parameter	Value	Unit
Voltage:	223.70	V
Current:	0.00	A
CP State	6V	
Work Time:	0H:1M	
Energy:	0.00	KWH
Temperature:	48.4	°C

Busy Schedule IC Card Settings

2. Connection

After installing the APP, please turn on the EV Charger.



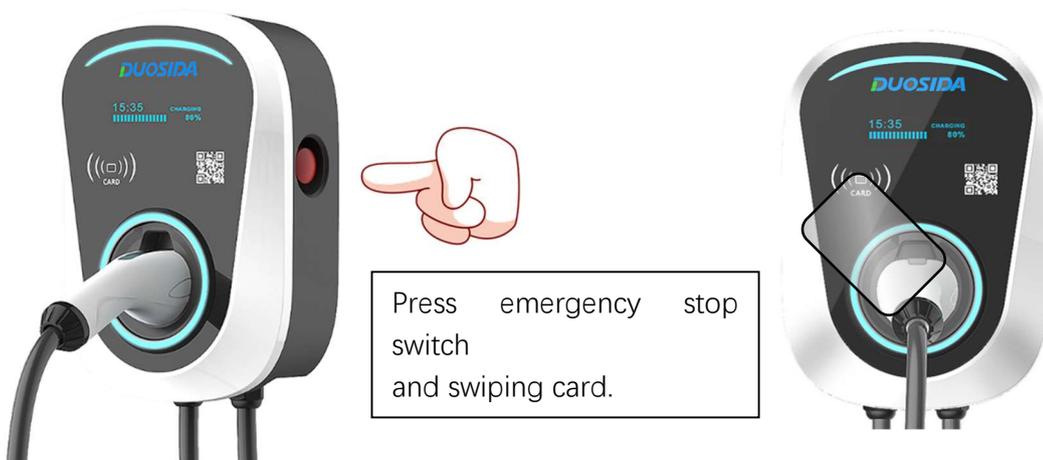
*1: After the charger is turned on, the circular indicator light and the arc indicator light turn red. At this time, the charger needs to be unlocked with the mobile phone APP.

2.1 WiFi-Setting Mode

2.1.1 IC-Karte

Use the IC-Card to get into the WiFi-Setting Mode.

Please power on again and enter WiFi Configuration Mode in 2 minutes.

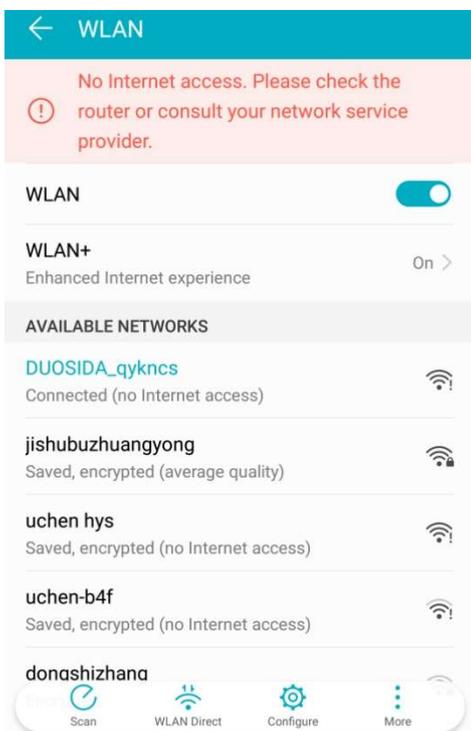


2.1.2 Emergency Stop Switch



Or use the emergency stop switch to enter WiFi configuration mode.

Use your smart phone to connect the charger's WiFi

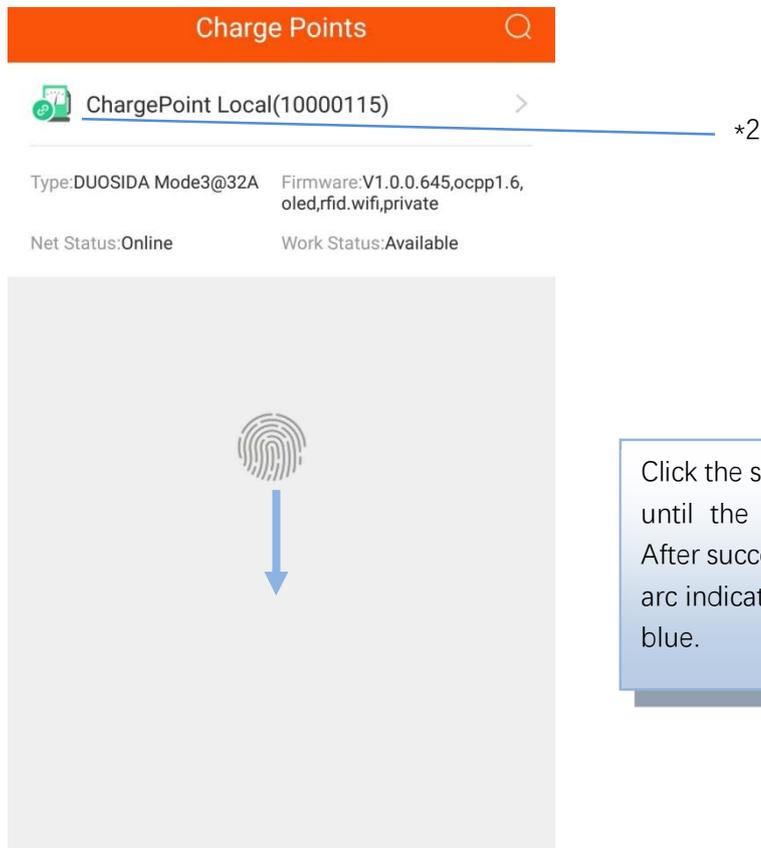


Find the network of DUOSIDA_XXXX,
enter the password: duosida@cp

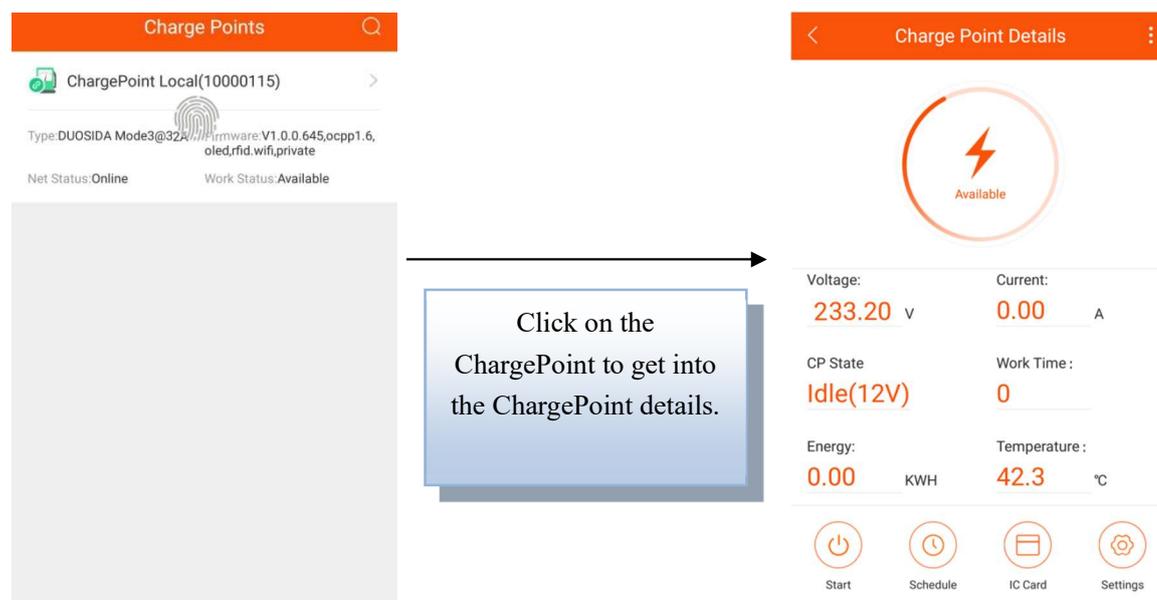
Note: After being connected to the WiFi network of the charger, the mobile phone may prompt that it cannot connect to the Internet and keep the current connection.

3. Functions

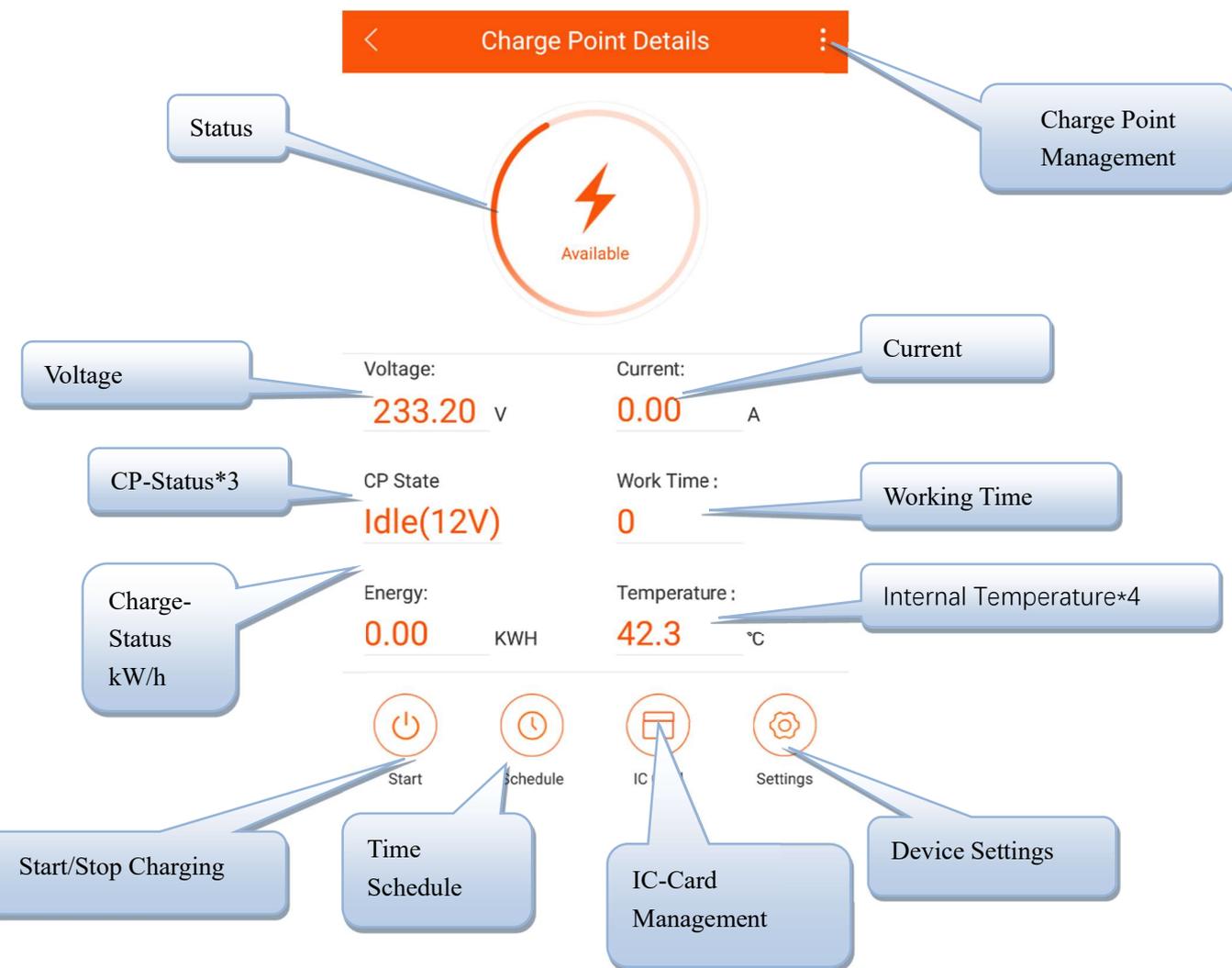
3.1 Selection of the EV Charger



*2: If red appears here, please scroll down again to refresh.



3.2 Details for the EV Charging Station

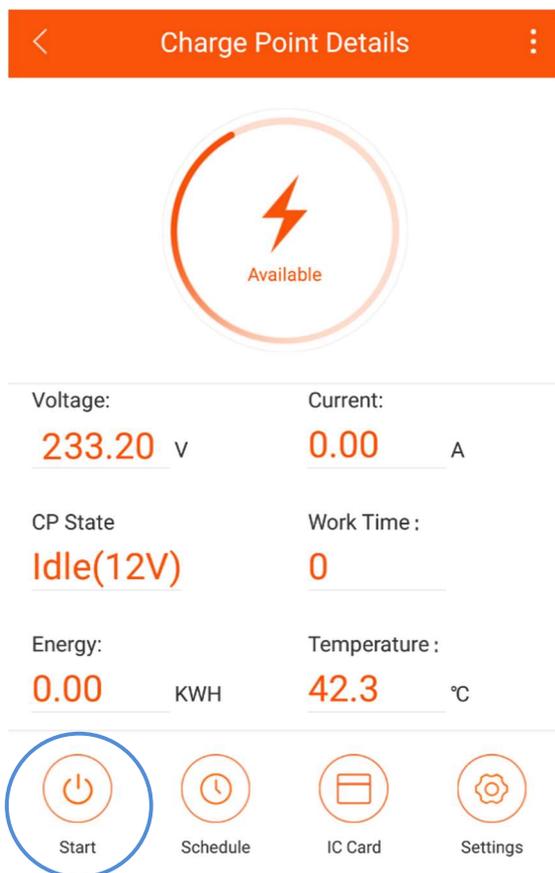


*3: Idle is for standby status, 9V is for prepare charging, and 6V PWM is for charging status.

*4: This temperature is for the internal chip temperature, it is around 15 °C higher than the internal environment.

3.3 The Charging Procedure

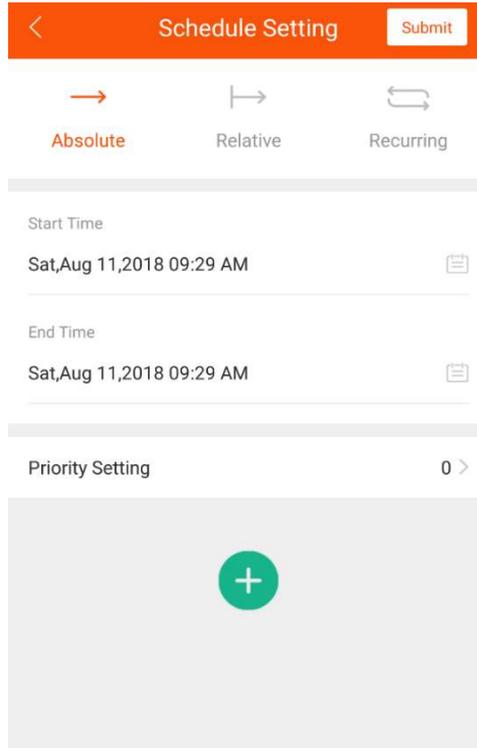
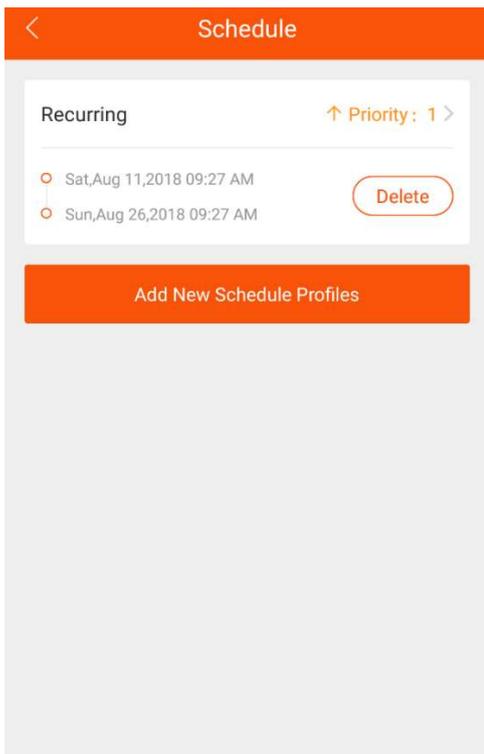
1. Plug the charging plug into the electric vehicle charging socket.
2. Use the APP to enter the charging details page, and click the start charging button or use the IC card to start charging.



3. Click the stop charge button in the APP or use IC to stop charging.

Note: If you use the APP to start charging, then you need to click the stop button in the APP when you want to stop charging (the EV will automatically stop when it is fully charged), and you must use the IC card to stop charging when you start charging by IC.

4. Time Schedule Setting



There are three types of time schedules possible:

1. Absolute
2. Relative
3. Recurring

1. Absolute:

During the time period of the task, the EV Charger performs the charging according to the set time point.
Example:

The image shows two screenshots from an EV Charger app. The top screenshot is the 'Schedule Setting' screen, which has an orange header with a back arrow, the title 'Schedule Setting', and a 'Submit' button. Below the header are three tabs: 'Absolute' (selected), 'Relative', and 'Recurring'. The 'Start Time' is set to 'Tue, Oct 23, 2018 06:00 AM' and the 'End Time' is 'Wed, Oct 24, 2018 06:00 AM'. The 'Priority Setting' is '6'. There are three options for 'At Start': '12Hour Later' (16.0A), '18Hour Later' (32.0A), and 'Close >'. The bottom screenshot is the 'Charge Point Details' screen, which has an orange header with a back arrow and a three-dot menu. It features a large circular indicator with a lightning bolt icon and the word 'Available'. Below this are four rows of data: 'Voltage: 233.20 V', 'Current: 0.00 A', 'CP State: Idle(12V)', and 'Work Time: 0'. At the bottom, there are four icons: 'Start' (a power button icon), 'Schedule' (a clock icon), 'IC Card' (a card icon), and 'Settings' (a gear icon). The 'Start' icon is circled in blue. Several blue callout boxes with white text provide instructions: '4. Send the time schedule to the ChargePoint.' points to the 'Submit' button; '1. Set the task start time.' points to the 'Start Time' field; '2. Set the task end time.' points to the 'End Time' field; 'Priority: The smaller the number, the higher the priority task.' points to the 'Priority Setting' field; '3. Click the "+" to add the schedule for charge. Current can set the MAX charging current. If write "0" it will stop charge during this time, to write "1" is bypass (the schedule does not to manage charge point during this time).' points to the 'At Start' options; and '5. Click the Start Button to enable the task.' points to the 'Start' icon.

4. Send the time schedule to the ChargePoint.

1. Set the task start time.

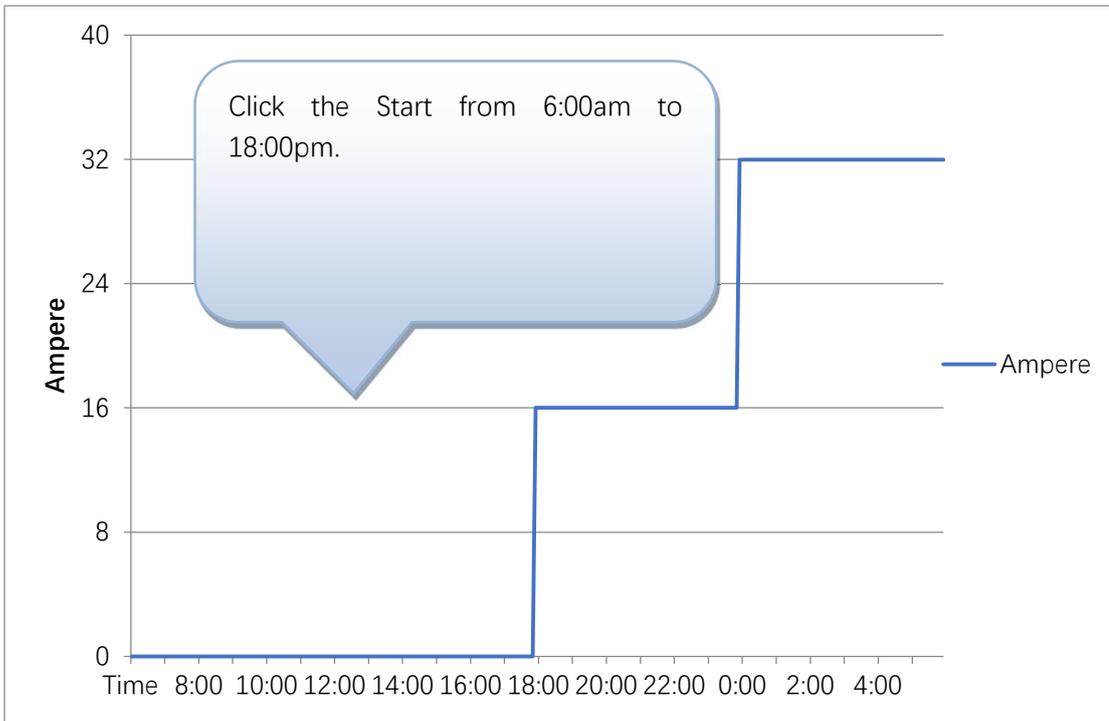
2. Set the task end time.

Priority: The smaller the number, the higher the priority task.

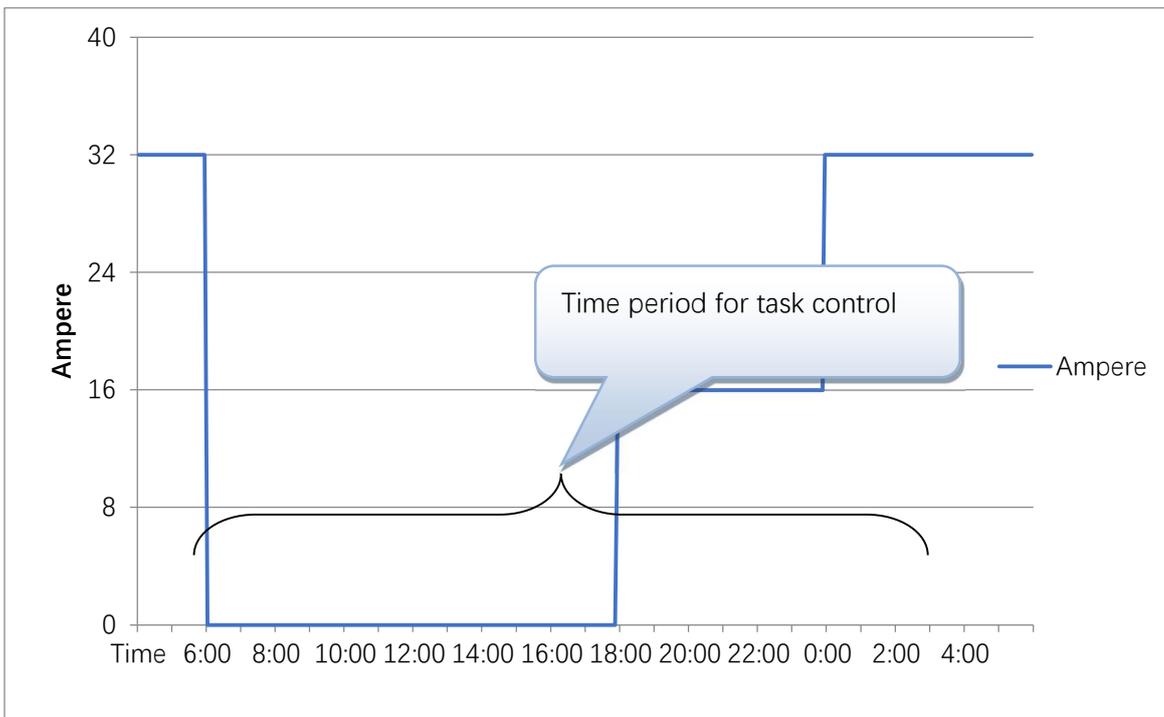
3. Click the "+" to add the schedule for charge. Current can set the MAX charging current. If write "0" it will stop charge during this time, to write "1" is bypass (the schedule does not to manage charge point during this time).

5. Click the Start Button to enable the task.

Clicking on the start time will affect the actual charging chart.



The task activated between start time and end time only.
 If you click the Start at 4:00AM, the charger will work at default 32A.



2. Relative

The charging chart is based from start time of charging session.

Example:

< Schedule Setting Submit

Absolute **Relative** Recurring

Start Time
Tue, Oct 23, 2018 06:00 AM

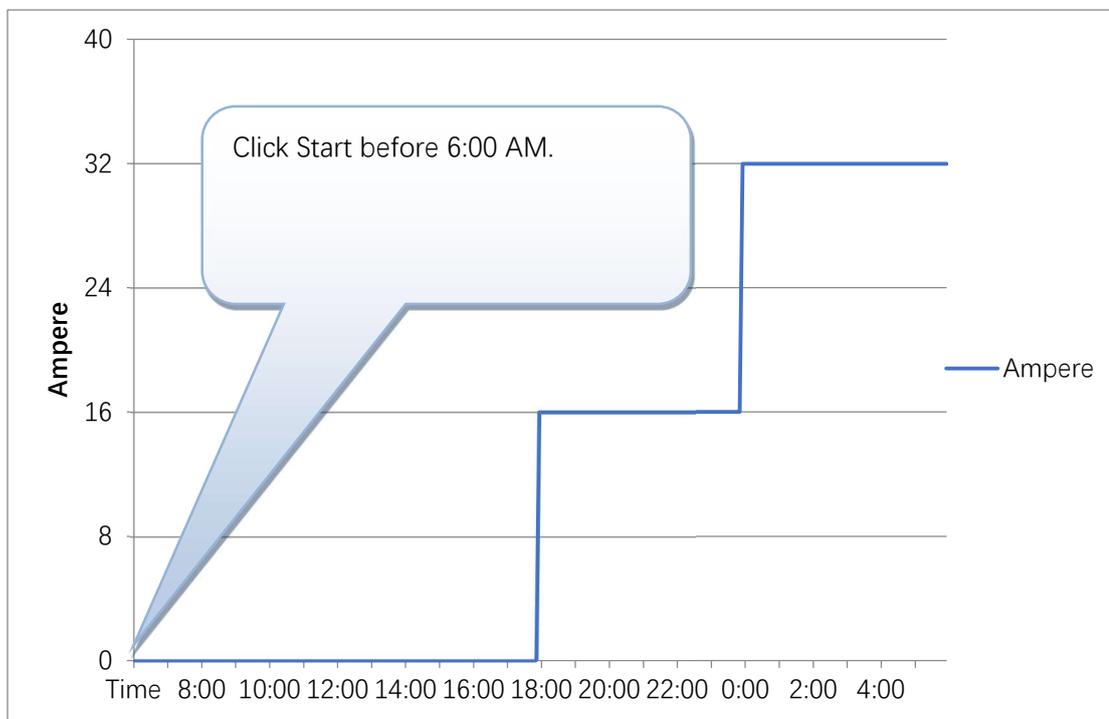
End Time
Wed, Oct 24, 2018 06:00 AM

Priority Setting 5 >

At Transaction Start >

At Start	Close >
12Hour Later	16.0A >
18Hour Later	32.0A >

This part setting same to example "absolute".
"12Hour Later" and "18hour Later" is the time from when you click Start.



3. Recurring

The loop execution can be set to cycle by day or cycle by week.

Example:

You want to charge from 8pm to next day 6pm on Mondays to Fridays, and all day on Saturdays and Sundays. We can set to two Recurring tasks.

The first task:

Schedule Setting [Submit]

→ | ⇄ | ↺
Absolute | Relative | **Recurring**

Start Time
Tue, Oct 23, 2018 12:00 AM

End Time
Fri, Nov 23, 2018 12:00 AM

Priority Setting 5 >

Recurring Kind Week(Start From Monday) >

After Monday 00:00:00	Bypass >
After Monday 18:00:00	32.0A >
After Tuesday 06:00:00	Bypass >

After Tuesday 18:00:00	32.0A >
After Wednesday 06:00:00	Bypass >
After Wednesday 18:00:00	32.0A >
After Thursday 06:00:00	Bypass >
After Thursday 18:00:00	32.0A >
After Friday 06:00:00	Bypass >
After Friday 18:00:00	32.0A >
After Saturday 06:00:00	Bypass >

[+]

The second task:

Schedule Setting [Submit]

→ | ⇄ | ↺
Absolute | Relative | **Recurring**

Start Time
Tue, Oct 23, 2018 12:00 AM

End Time
Fri, Nov 23, 2018 12:00 AM

Priority Setting 1 >

Recurring Kind Week(Start From Monday) >

After Monday 00:00:00	Bypass >
After Saturday 00:00:00	32.0A >

Schedule

Recurring ↑ Priority: 1 >

- Tue, Oct 23, 2018 12:00 AM
- Fri, Nov 23, 2018 12:00 AM

Delete

Recurring ↑ Priority: 5 >

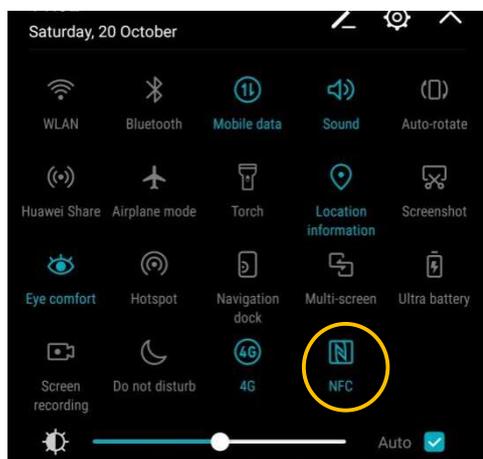
- Tue, Oct 23, 2018 12:00 AM
- Fri, Nov 23, 2018 12:00 AM

Delete

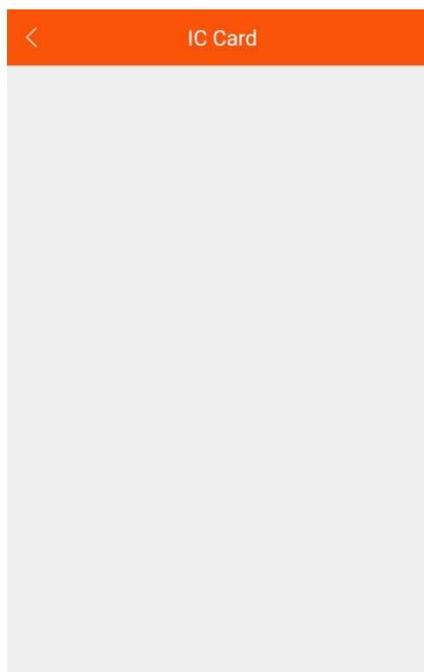
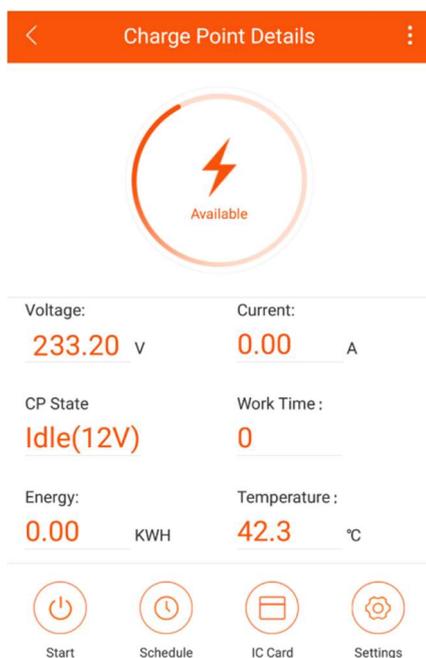
Add New Schedule Profiles

5. IC-Card Management System

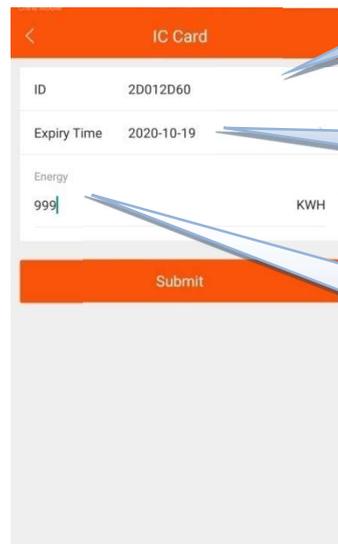
For mobile phones that support NFC, special IC CARDS can be added to the IC card management system of the APP. The IC card's ID, effective time, maximum power and among them, the maximum available power information is stored on IC card. The other information is stored in the cache of charger.



Please turn on the NFC switch on your phone. The APP will apply for the NFC usage authorization. Please click the permission, otherwise the IC card cannot be added.



Drücken Sie auf "IC-Karte", um in die Einstellungszeit der IC-Karte zu gelangen.

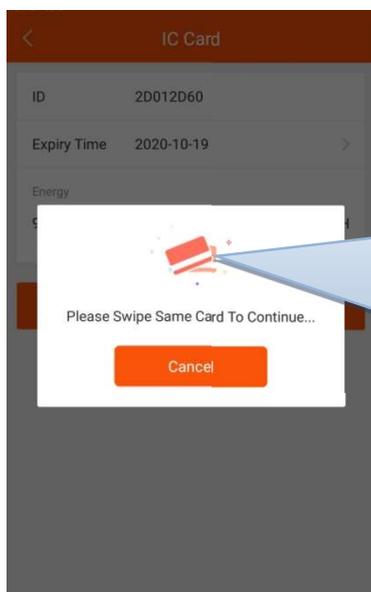


ID of the IC-Card

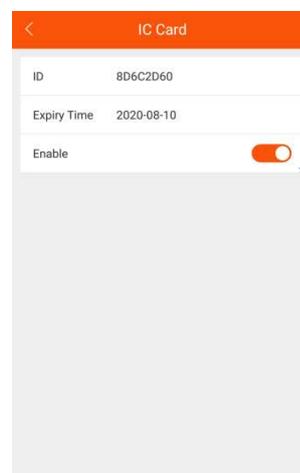
IC-Card effective time.

Input IC-Card kW/h

Place the IC card that needs to be added near the NFC module of the phone. After reading the information of IC card, the setting window will pop up. Set the kWh and click ok to add. If there is no response, please change a few more areas to stick, or ask the mobile phone manufacturer to confirm the location of the NFC module.



Put the IC card near the NFC module of mobile phone again and then activate the card.



IC-Card enable

1. The charger owner use the APP to issue the cards to the user according to the user's demand, and sets the kWh limit of IC card according to the need.
2. The owner of the EV Charger decides which chargers can be used and which chargers can not be used for the IC card set (all Settings are for offline storage, the electricity information is saved on the IC card, and the authentication information is saved on the charger).
3. Please use the specified IC card to the corresponding charger, and the card starts charging. When the charge

is completed, the charge can be stopped by swiping the card again. If you don't want to charge, you can cancel the current charge by simply swiping the card.

4. When charging is completed, the user needs to swipe the card to end the charging, and the charged kWh on the card will be deducted from the charging process.
5. When the balance of kWh on the card is insufficient, the user needs to ask the owner to add the kWh power.

Note: Under this mode, the charger can not be open "Plug then charge mode" and the "Stop transaction on EV side disconnect" function can not be stopped by pulling the connector.

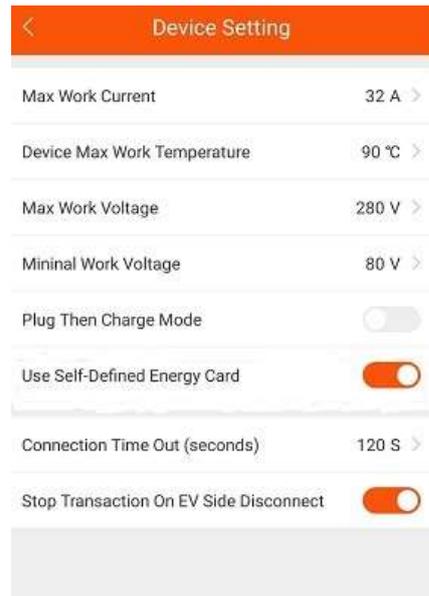
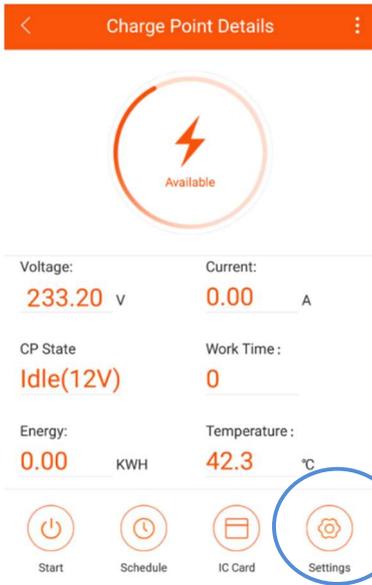
6. Charger Status

There are 9 states of chargers. The current status information will be displayed on the corresponding screen. Here is an explanation of 9 working states:

Name	explanation
Unavailable	The charger is in an unusable state, under which the charger cannot be charged: <ol style="list-style-type: none"><li data-bbox="523 472 1232 551">1. Charger is unavailable after power on, and needs to be activated by mobile APP.<li data-bbox="523 557 1232 629">2. In the upgrade state, WIFI will be switched to unavailable.
Available	The charger is in an idle state, in which the user can operate the charger.
Preparing	The charger is in the state of preparing charging. The following situations will trigger the charger to enter the state of preparation. If the charger enters the state of preparation without charging, it will return to the state of availability or charging completion after timeout: <ol style="list-style-type: none"><li data-bbox="523 929 1232 1176">1. The charger will enter the preparation state when the charger is inserted, but it still needs user authentication to start charging (except the open plug-in and charging mode). The timeout period for the plug-in waiting for authentication is 120 seconds, which can be configured in the APP;<li data-bbox="523 1182 1232 1294">2. The phone will start charging remotely. If the user does not have in the plug, than it will wait for the user to put it in;<li data-bbox="523 1301 1232 1377">3. Swiping the card when no plug inserted into the vehicle.
Charging	When all charging conditions are met, the charger will enter the charging state.
SuspendedEVSE	When the working conditions of the charger are not satisfied, the charger will enter the state of SuspendedEVSE, and SuspendedEVSE and will be triggered in various cases: <ol style="list-style-type: none"><li data-bbox="523 1966 1232 2085">1. The Charger enters protection conditions, such as over voltage, over current, over temperature, leakage, emergency stop, etc.;<li data-bbox="523 2092 1232 2121">2. In the charging process, the scheduling condition is

	not satisfied, resulting in the active suspension of SuspendedEVSE .
SuspendedEV	SuspendedEV mainly occurs when the S2 switch of the EV is not closed.
Finishing	<ol style="list-style-type: none">1. In the state of preparation, the charger will enter the state of charging completion if the plug is inserted and the device has timed out;2. The charging state will be entered after charge finished
Reserved	No support, not applicable to current charger.
Faulted	Charger error occurred.

7. Settings



Maximum working current: Sets the maximum working current of the charge point, which is globally effective. If the current value of the dispatching setting is greater than this value, it will be subject to the current value.

Maximum operating temperature: the maximum operating temperature of the charge point is set.

Maximum working voltage: set the maximum working voltage of the charge point.

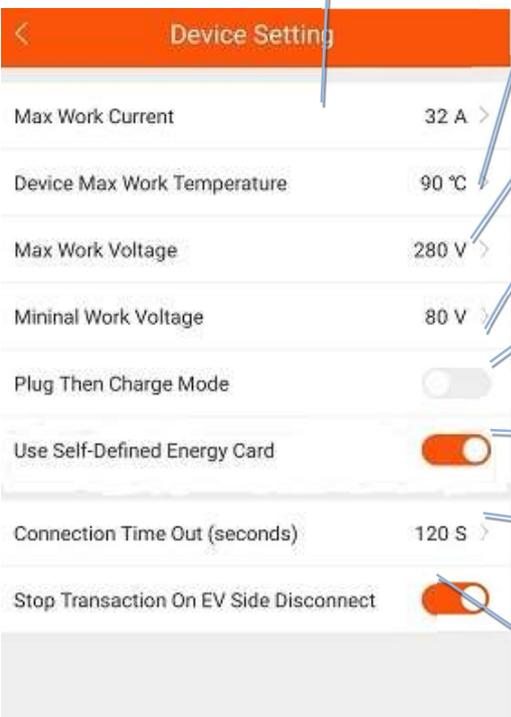
Minimum working voltage: set the minimum working voltage of the charge point

Enable the Plug then charge mode.

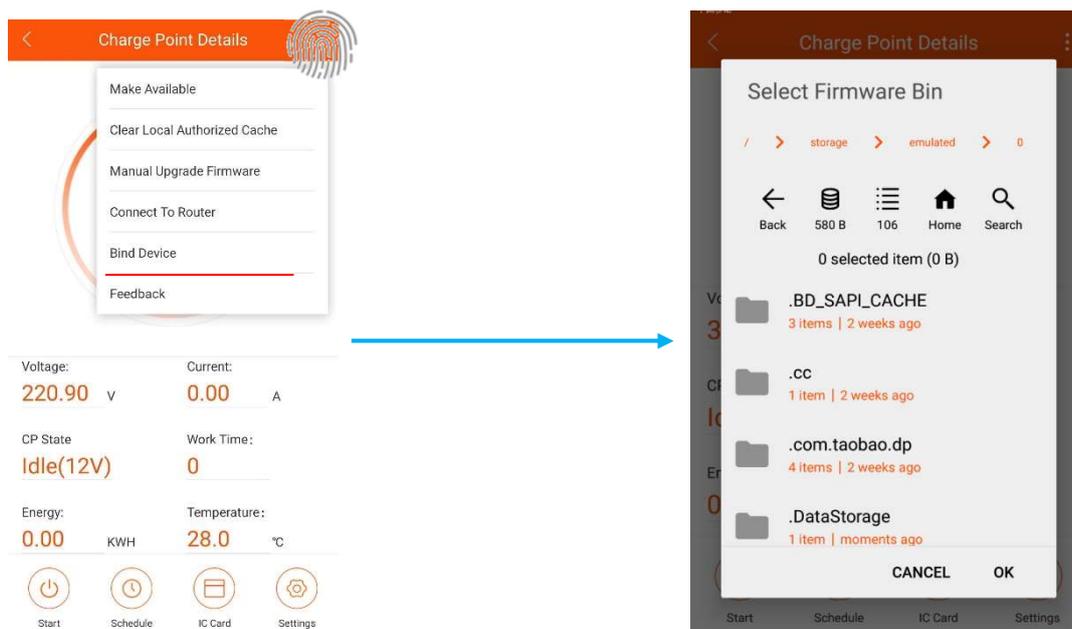
Enable the IC card management system.

Timeout of charge insertion: timeout of charger readiness.

Disconnection of the car terminal stops the charging transaction: if it is on, it will not start charging automatically after pulling the plug out or the car stops charging.

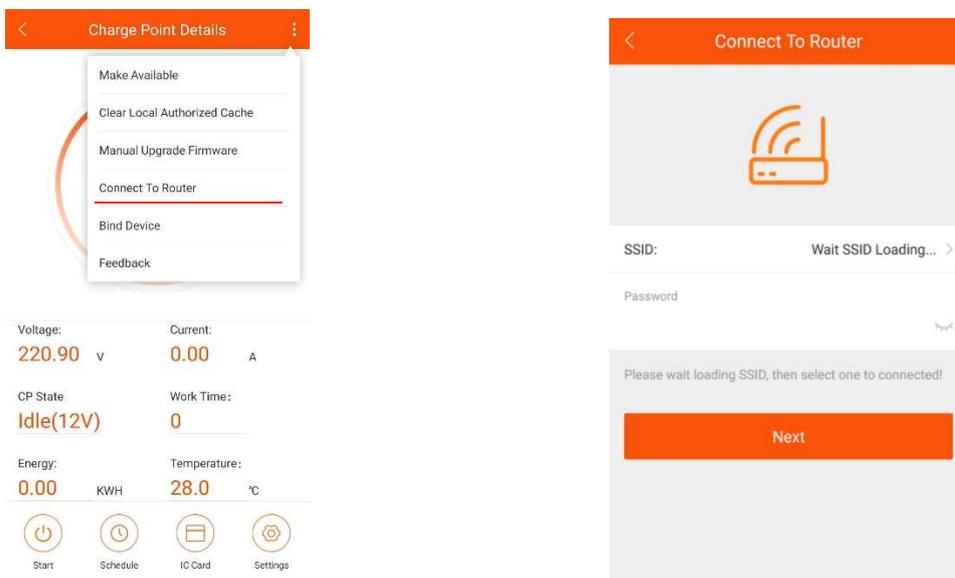


8. Firmware Upgrade



Here you can upgrade the software inside the charger.

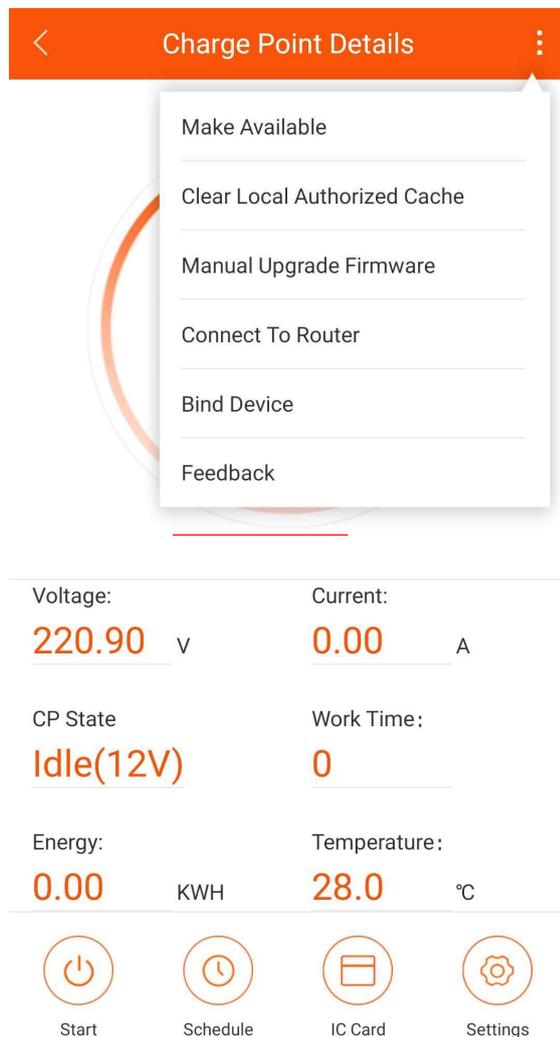
9. Router Connection



You can set up the charger to connect to a designated router. Press "to connect to the router", and wait for about 10 seconds, then choose router name (SSID) and password. The charger will restart after the setting. Then connect the phone to the router and enter the APP again.

You can control the charger within the same network.

10. Bind Device



You can control the charger anywhere when it is bound.

Note: The charger needs to connect to router before binding, and the router needs to connect to internet.