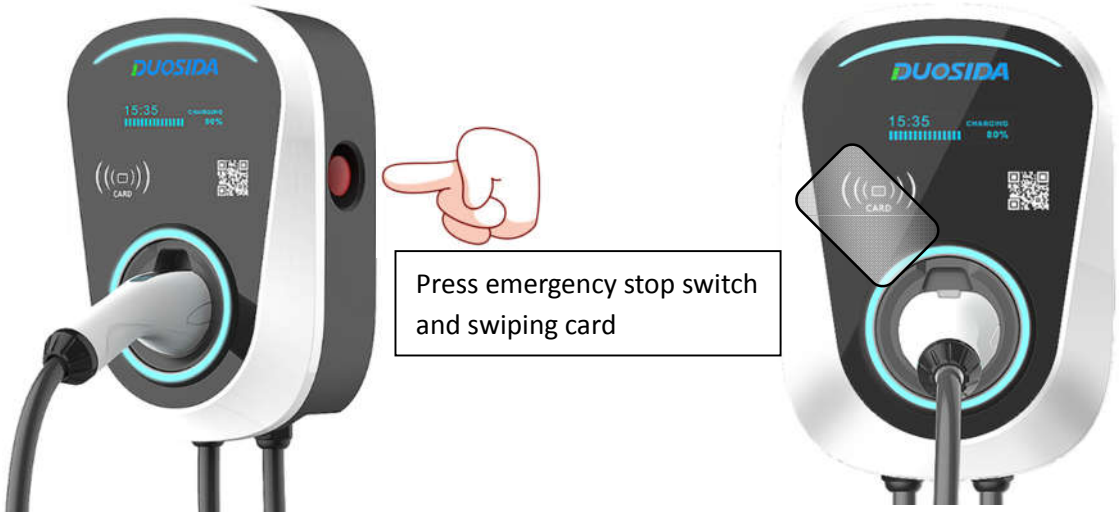
1 Power on after the EV charger is installed

*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 Connect to the charger

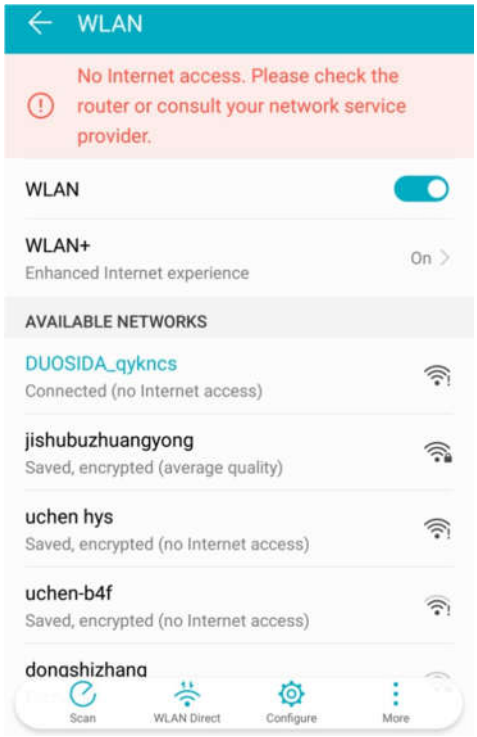
2.1 In to the WiFi configuration mode

2.1.1 Use IC card to enter WiFi configuration mode



2.1.2 Or use emergency stop switch to enter WiFi configuration mode

2.2 Use your smart phone to connect the charger's WiFi



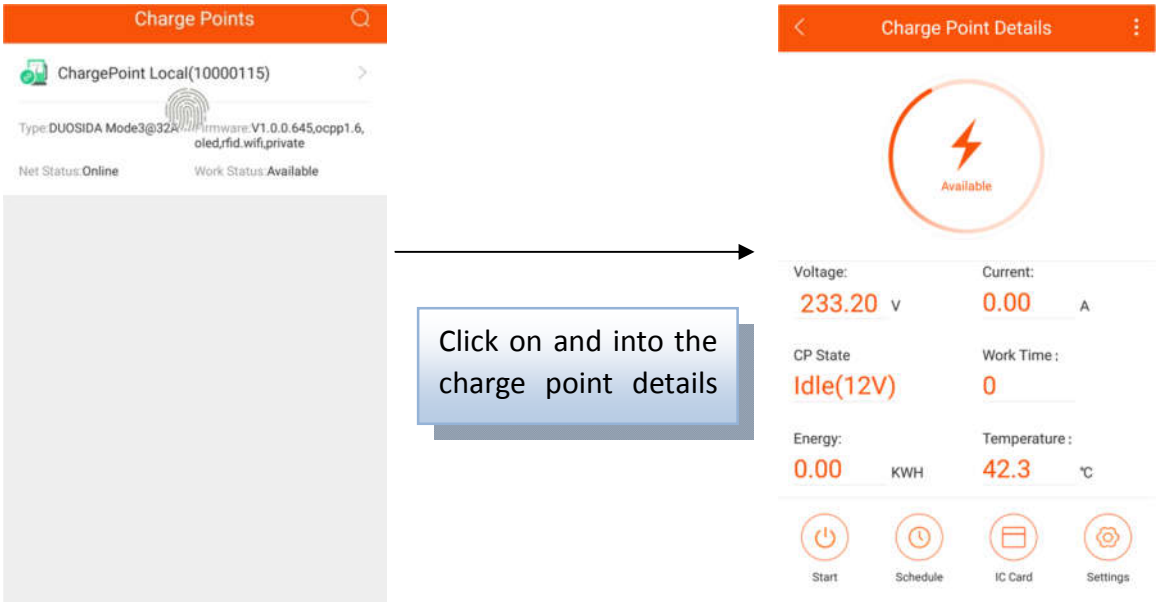
Find the network of DUOSIDA_XXXX, enter the password: duosida@cp

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 Open the APP

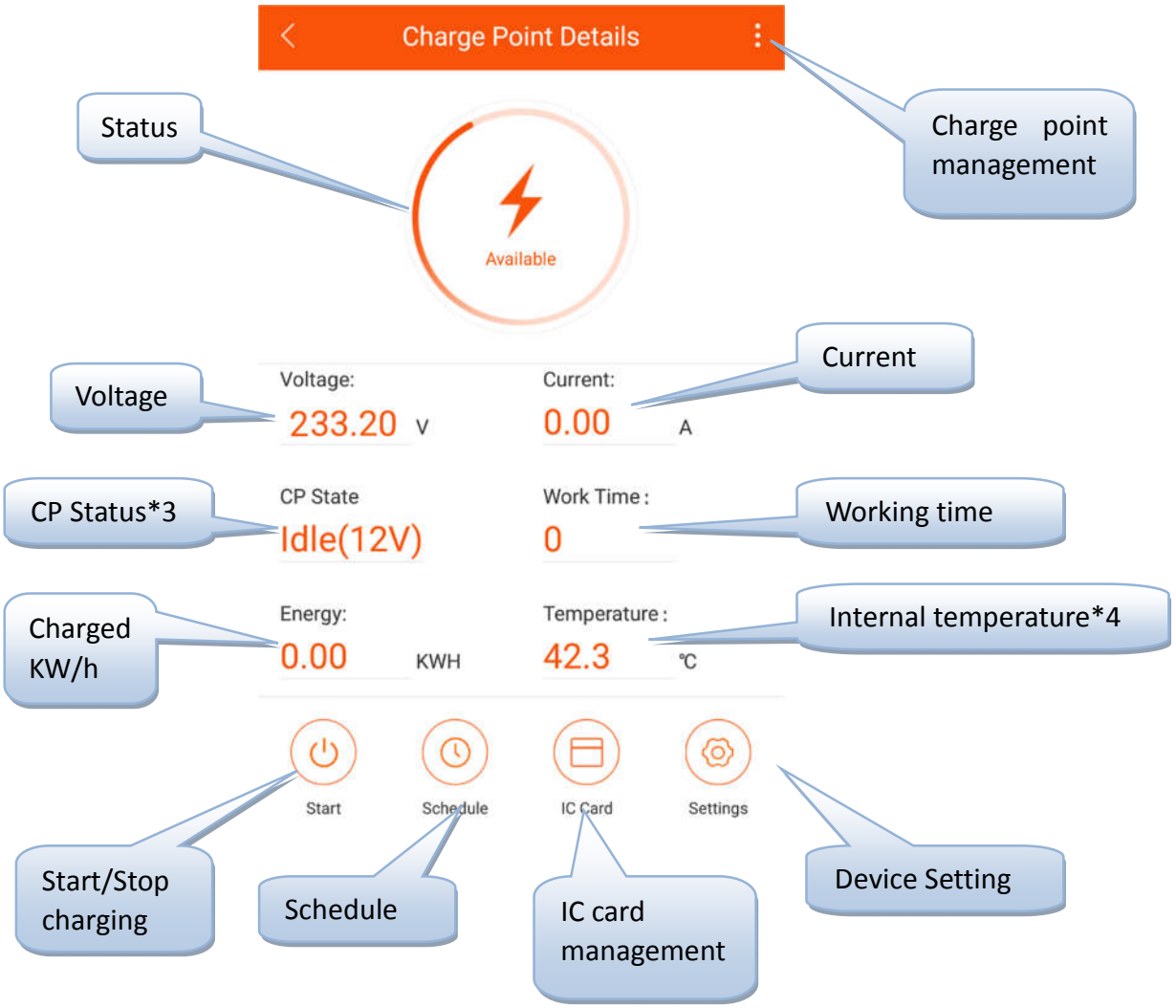
Click the screen to scroll down and refresh until the list of charge points appears. After successful activation, the circular and arc indicators of the charge point will turn blue

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



Click on and into the charge point details

4 charger details

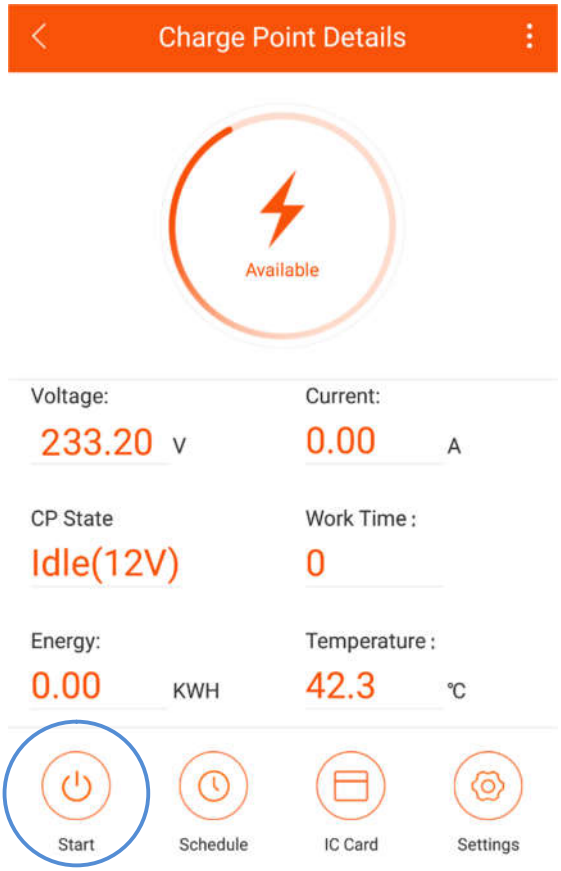


*3：Idle is for standby status, 9V is for prepare charging, and 6V PWM is for charging status.

*4：This temperature for internal chip temperature, higher than the internal environment temperature about 15 ℃.

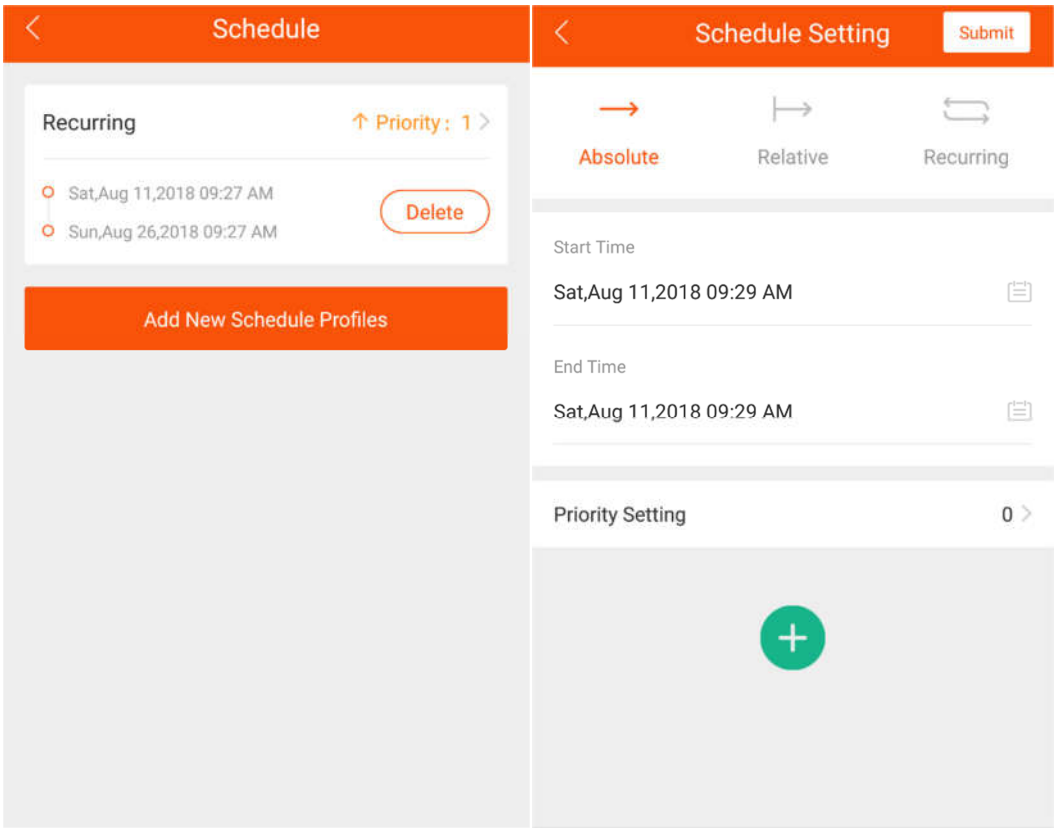
5 Charging procedure

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



5.3 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 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.

6 Schedule setting

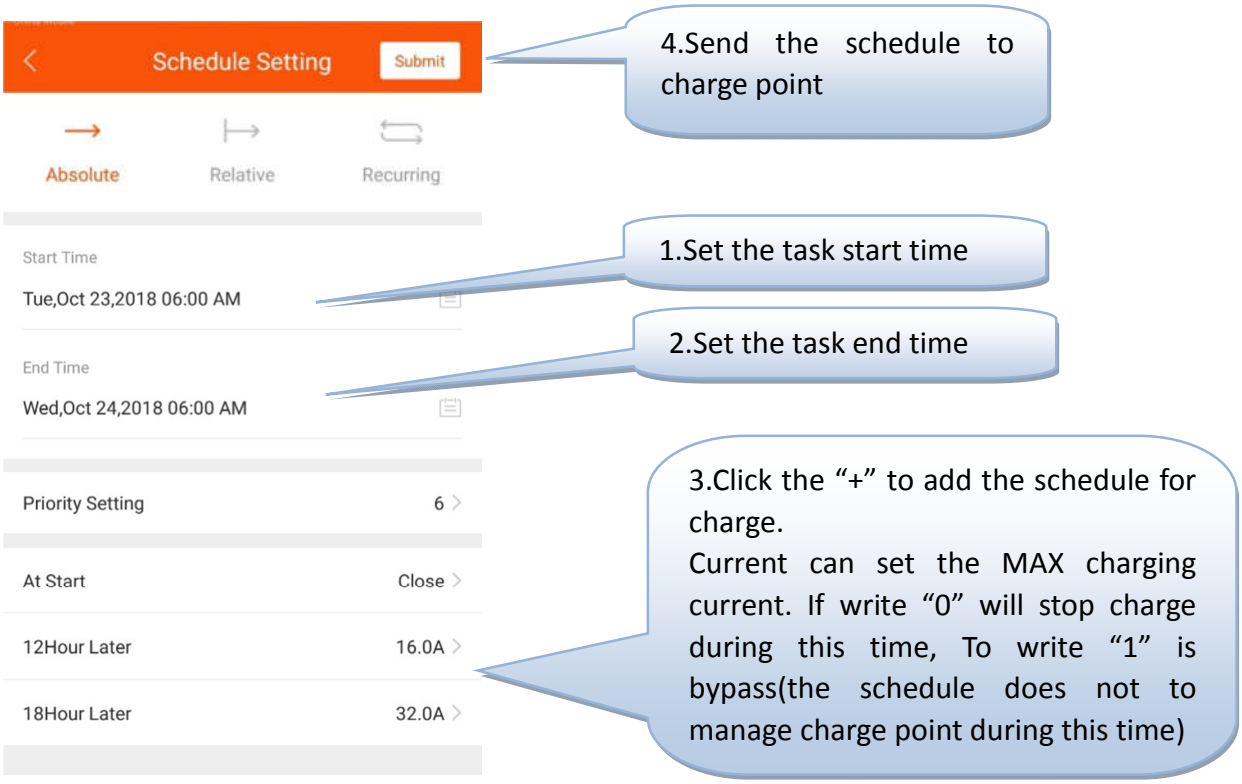


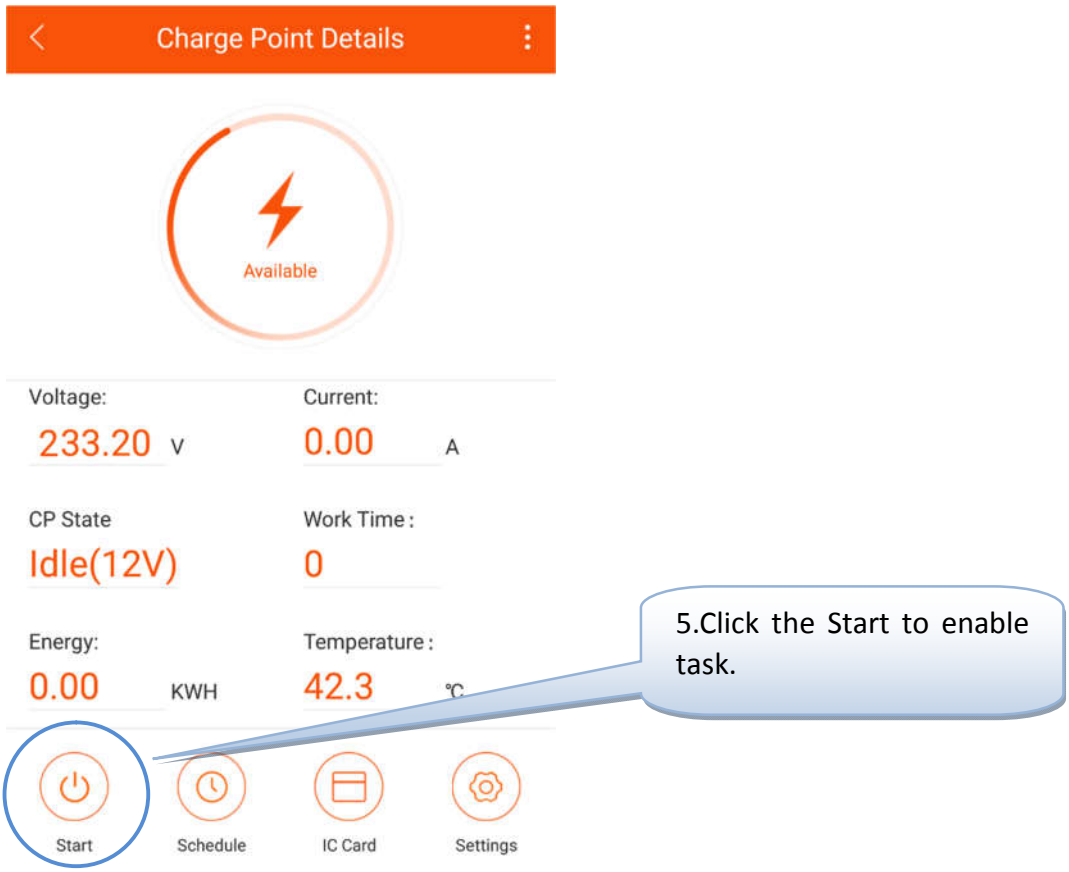
Scheduling tasks are three types：

1Absolute：

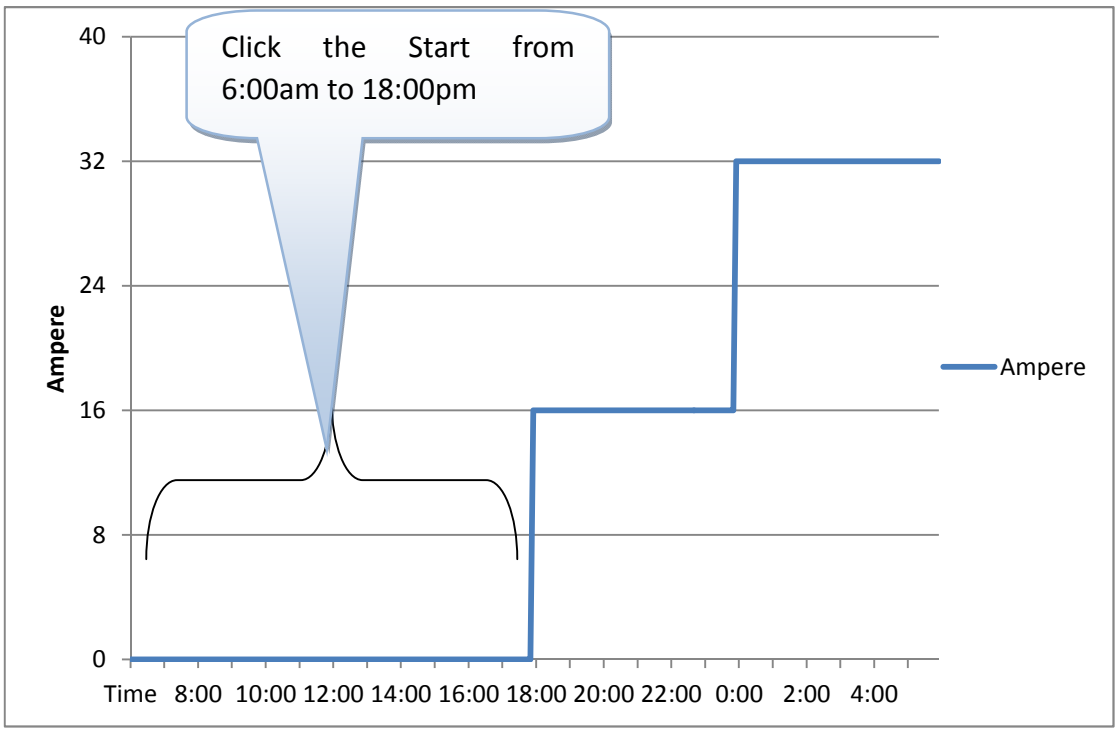
During the time period of the task, The charge performs charging according to the set time point.

Example 1:

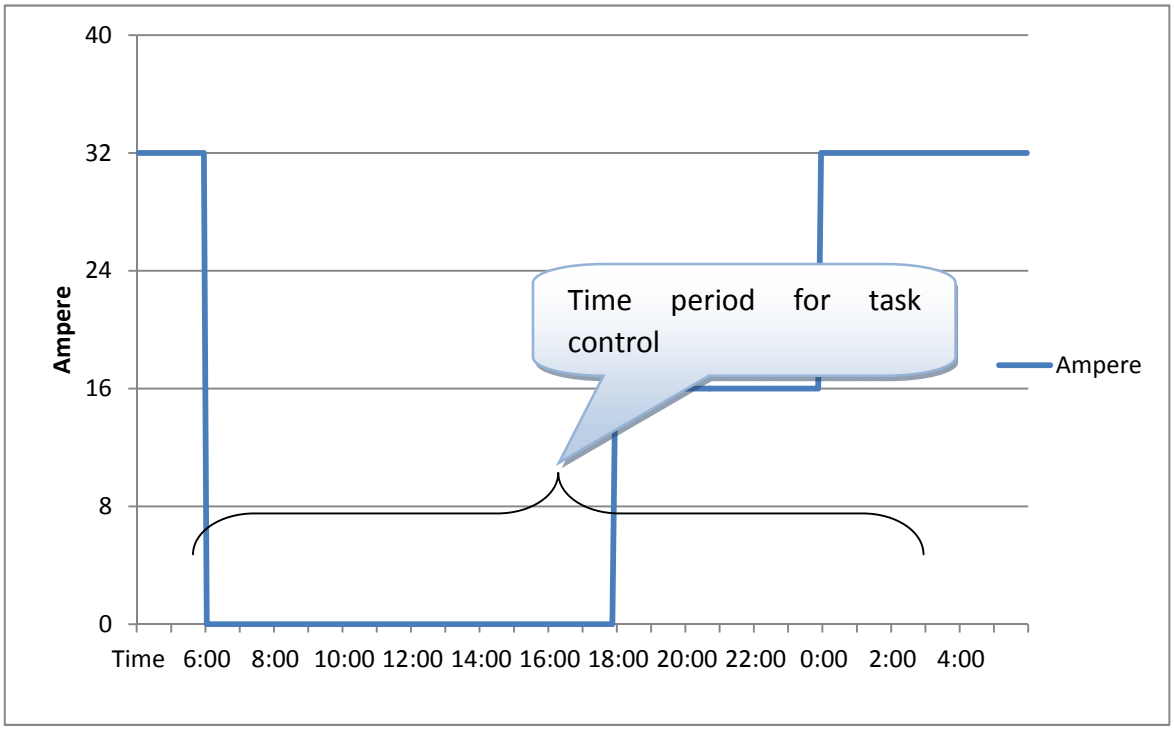




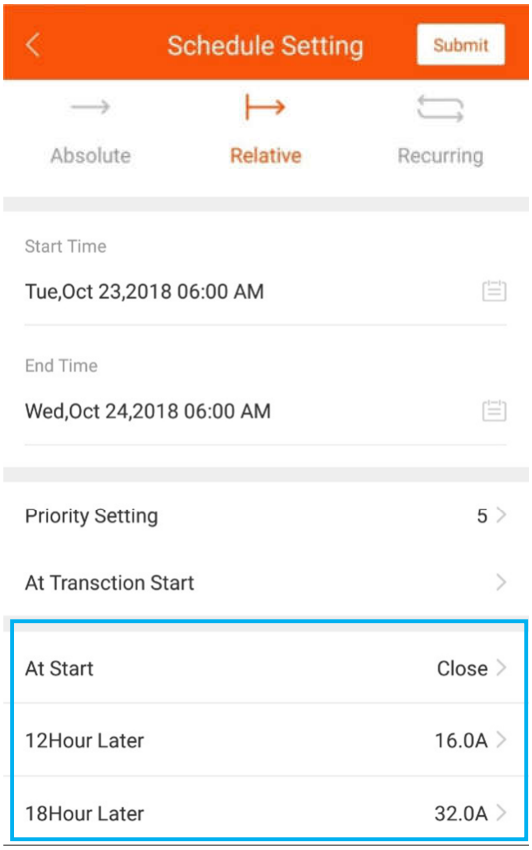
Clicking on the start time will affect the actual charging chart.



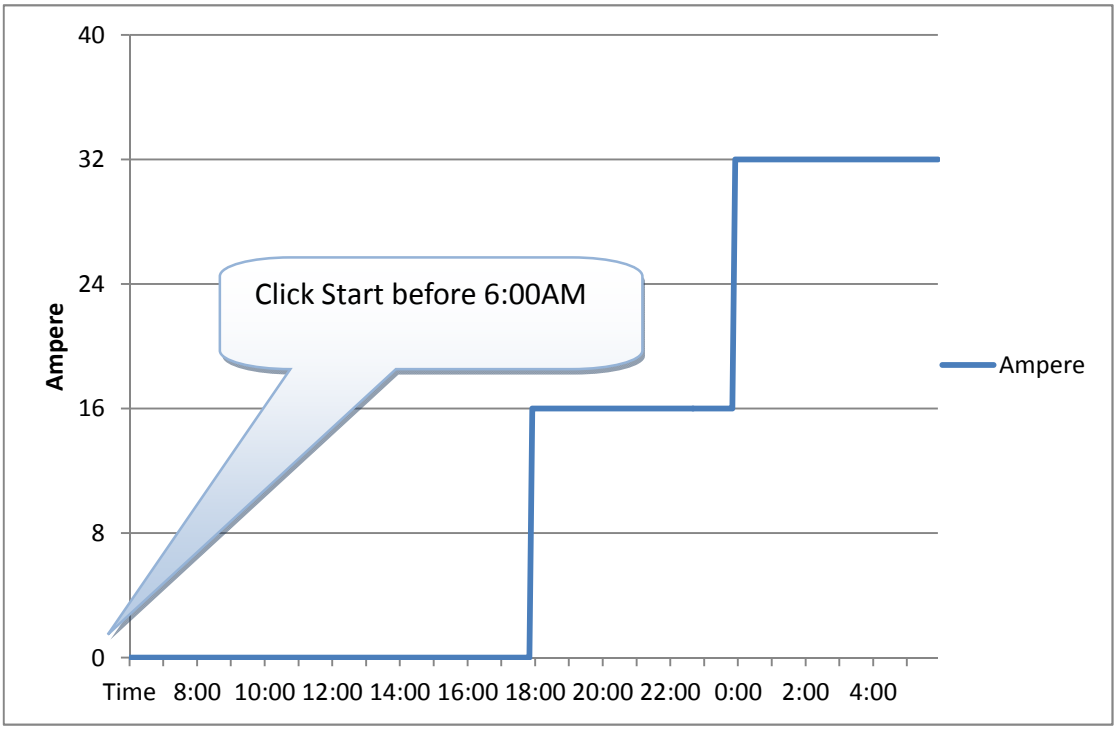
The task activated between start time and end time only.
If you click the Start at 4:00AM, charger will work at default 32A.

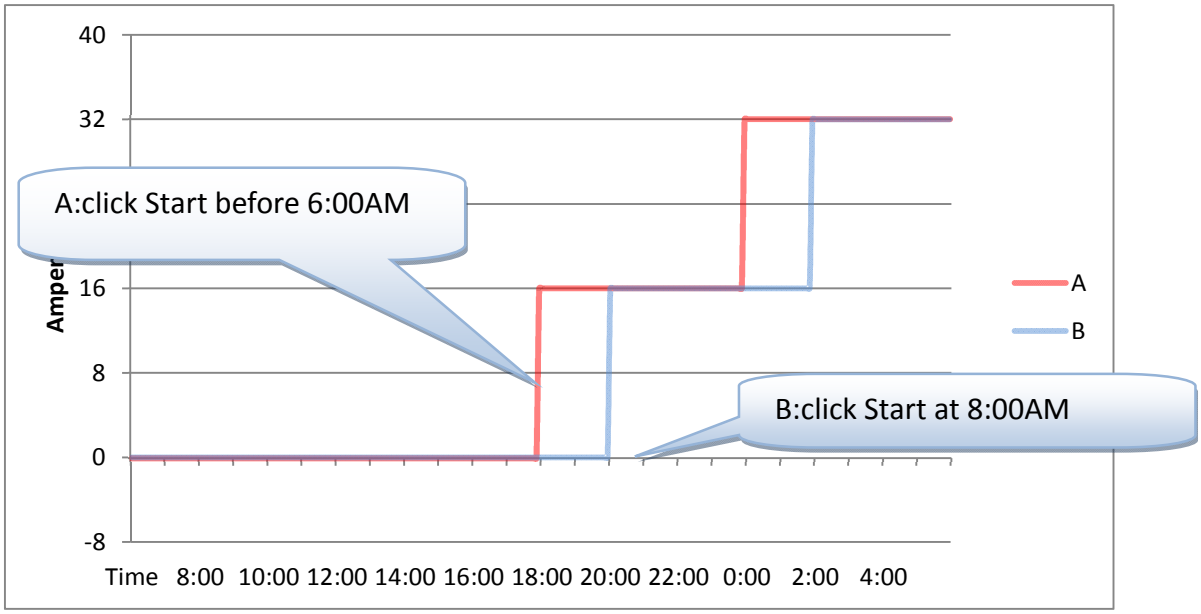


2Relative：
The charging chart is based from start time of charging session. Example 2:



This part setting same to example1
“12Hour Later” and “18hour Later” is from you click Start.

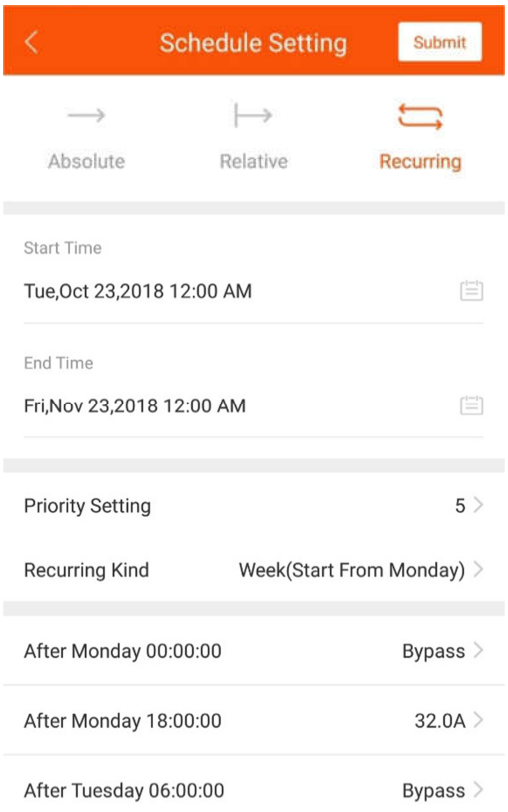


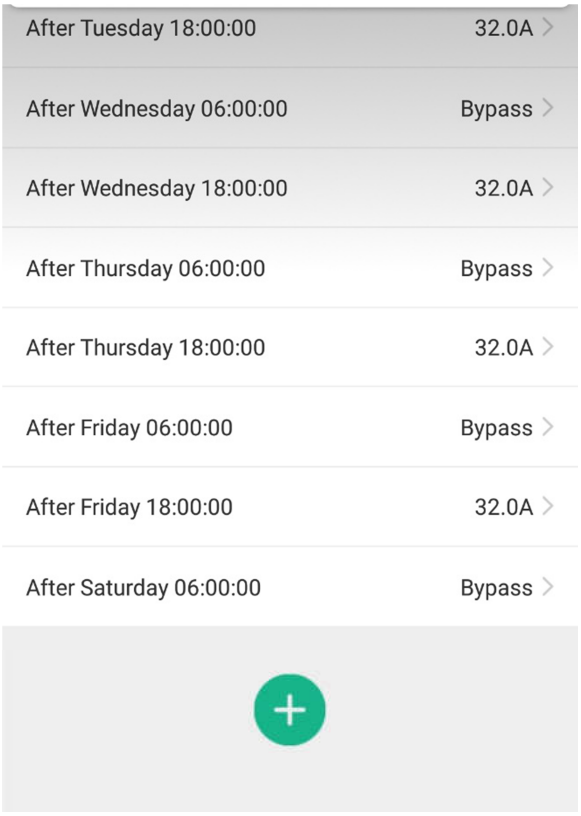


3Recurring：

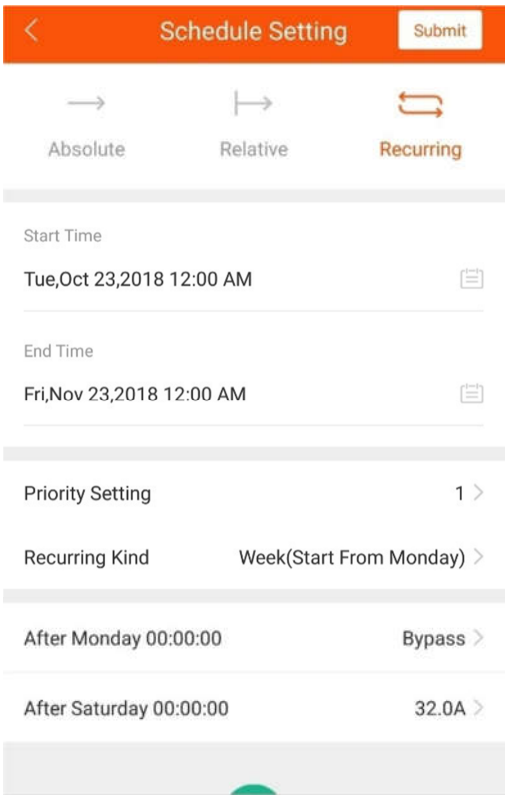
Loop execution can be set to cycle by day or cycle by week.

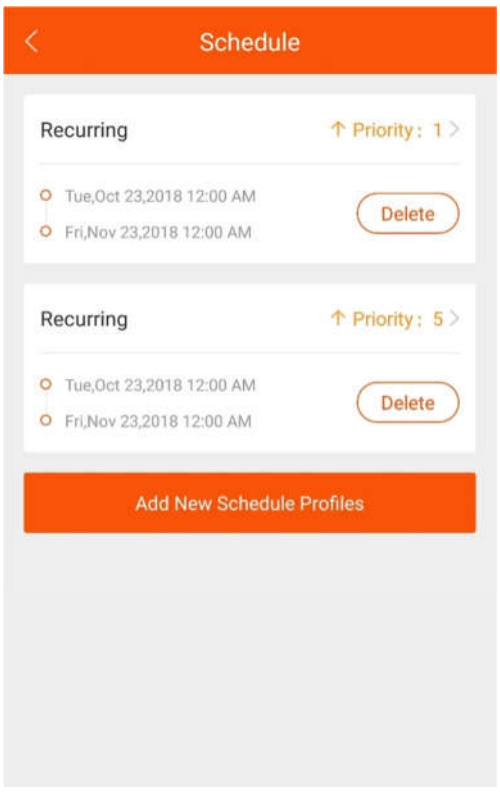
Example3:You want to charge from 8pm to next day 6pm on Mondays to Fridays, and all day on Saturdays and Sundays. We can to set to two Recurring tasks.





The first task ↑

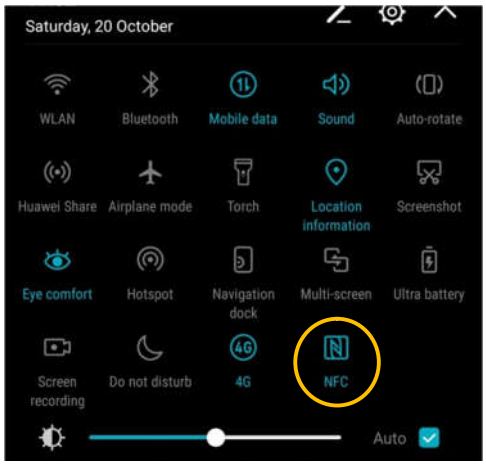




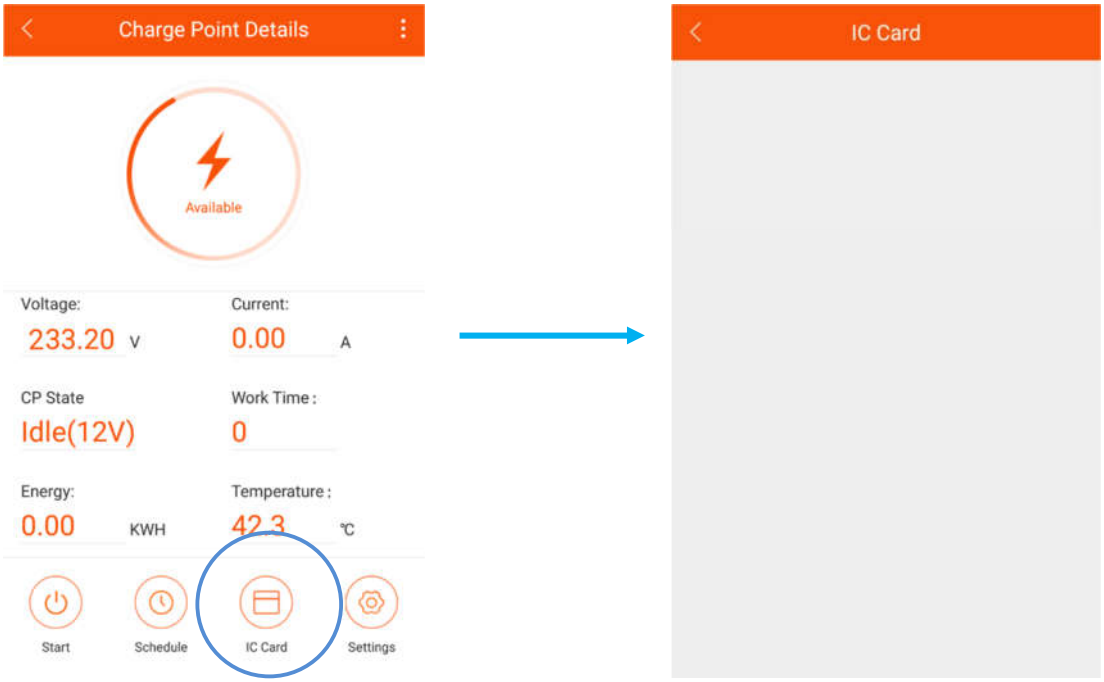
The second task ↑

7 IC card management system

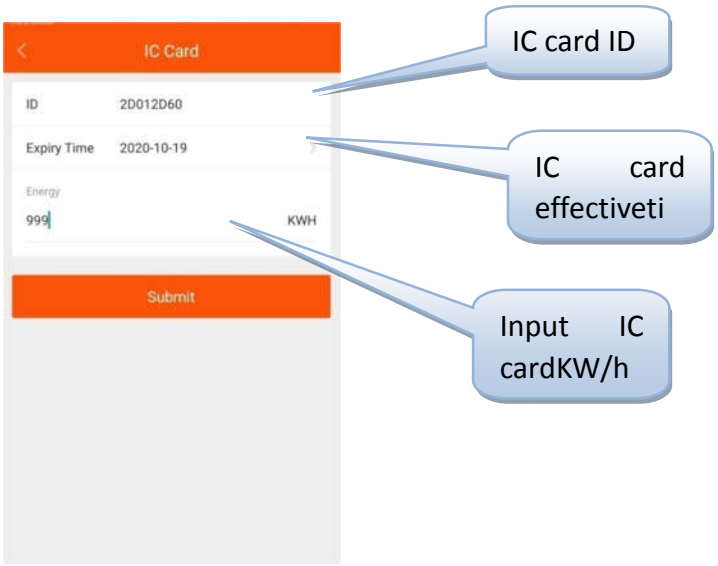
For mobile phones that support NFC, special IC CARDS can be added to the IC card management system of APP.ICcardhascardID,effectivetime,maximum power .Among them, the maximum available power information is stored on IC card, and other information is stored in the cache of charger.



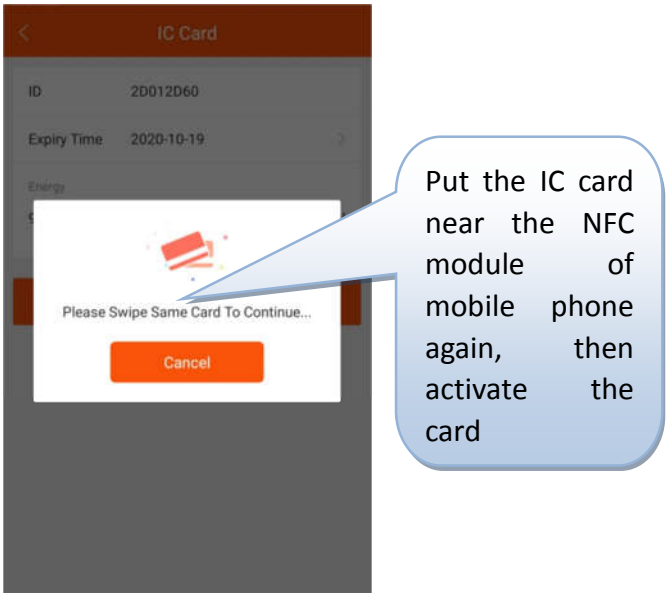
Please turn on the NFC switch on your phone. The APP will apply for the NFC usage authorization. Please click the permission, otherwise the IC card cannot be added

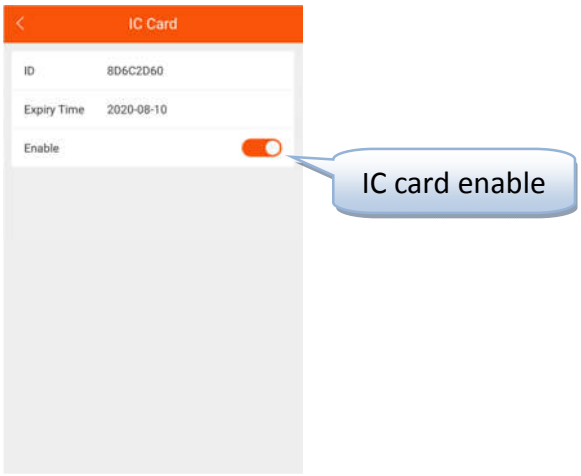


Click <IC Card> to enter the IC card setting page.



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.





The charger owner use the APP to issue CARDS to the user according to the user's demand, and sets the KWh limit of IC card according to the need. 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、 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 charging, and the charge 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 find the owner to add the KWh power；

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

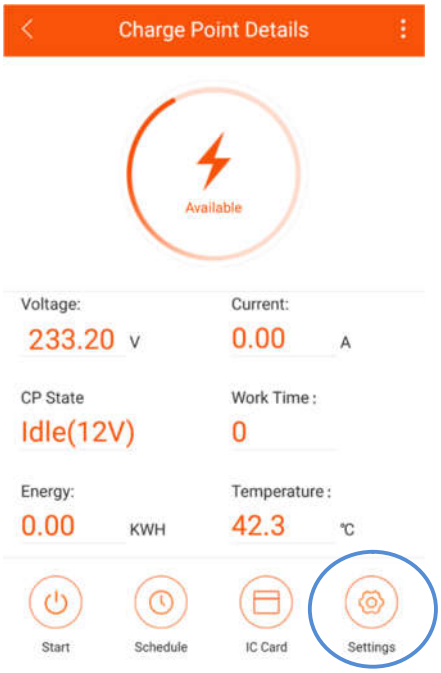
8 Charger status

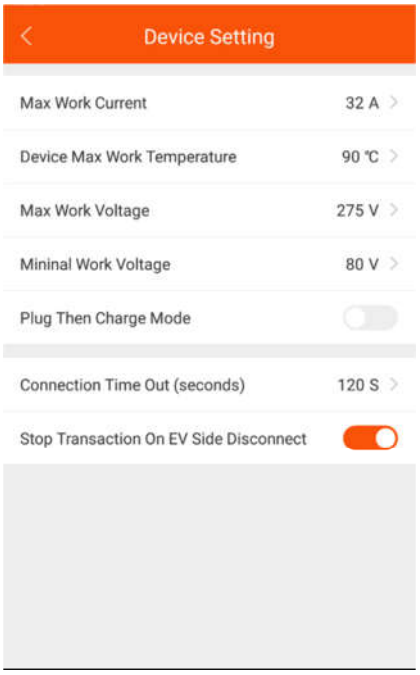
There are 9 states of chargers. The current status information will be displayed on the corresponding screen. Here is an explanation of 9 working states:

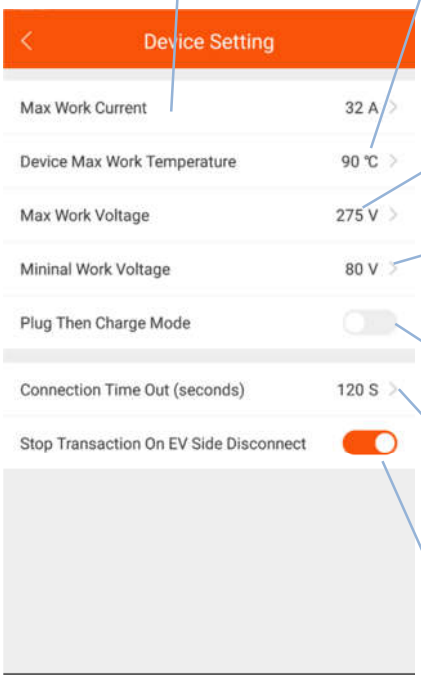
Name	explanation
Unavailable	The charger is in an unusable state, under which the charger cannot be charged： 1、 Charger is unavailable after power on, and needs to be activated by mobile APP； 2、 In the upgrade state, WIFI will be switched to unavailable
Available	The charger is in a idle state, in which 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： 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； 2、 The phone will start charging remotely. If the user does not have in plug, that will wait for the user to put in； 3、 The IC card is used to start charging. If the user does not insert plug.
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 will be triggered in various cases:： 1、 Charger enters protection conditions, such as over voltage, over current, over temperature, leakage, emergency stop, etc.; 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	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.

9 Setting







Maximum working current: set 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.

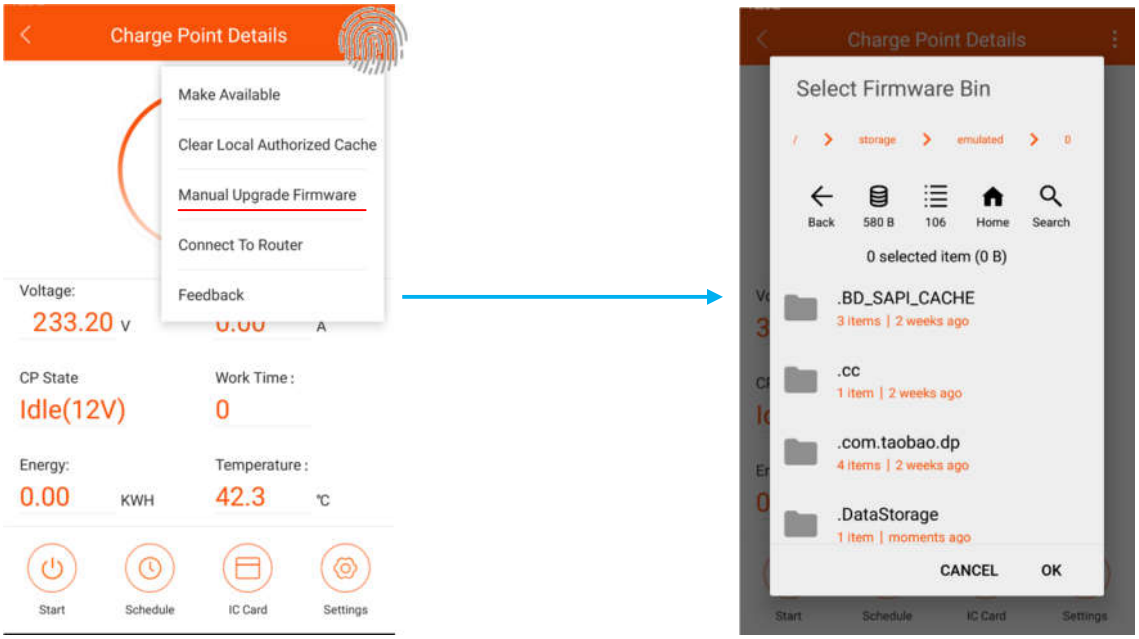
Minimum working voltage: set the minimum working voltage of the charge point

Enable the Plug then charge mode

Timeout of charge insertion: timeout of charge pile readiness

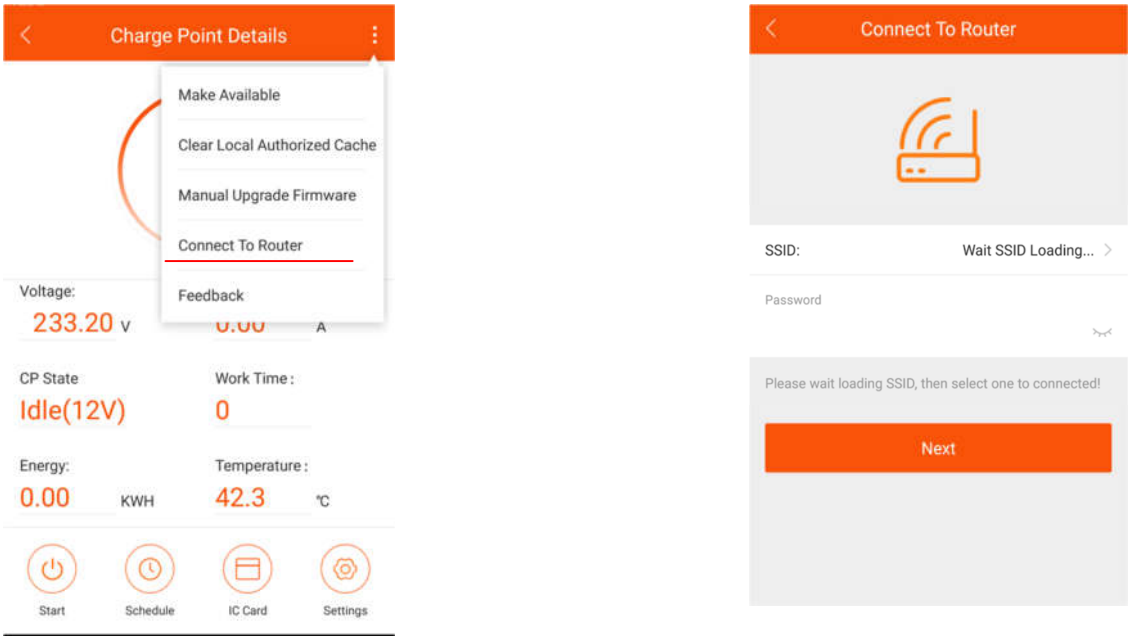
Disconnection of the car terminal stops the charging transaction: if it is on, it will not start charging automatically after pulling the plug out or the car stops charging.

10 Firmware upgrade



Here you can upgrade the software inside the charger。

11 Connected to router



You can set up a charge pile connect to a designated router.Click to connect to the router, and wait for the peripheral routing information to be loaded, Then setting router name and passwoed. charger will restart after setting.Then connect the phone to the router and enter the APP again.