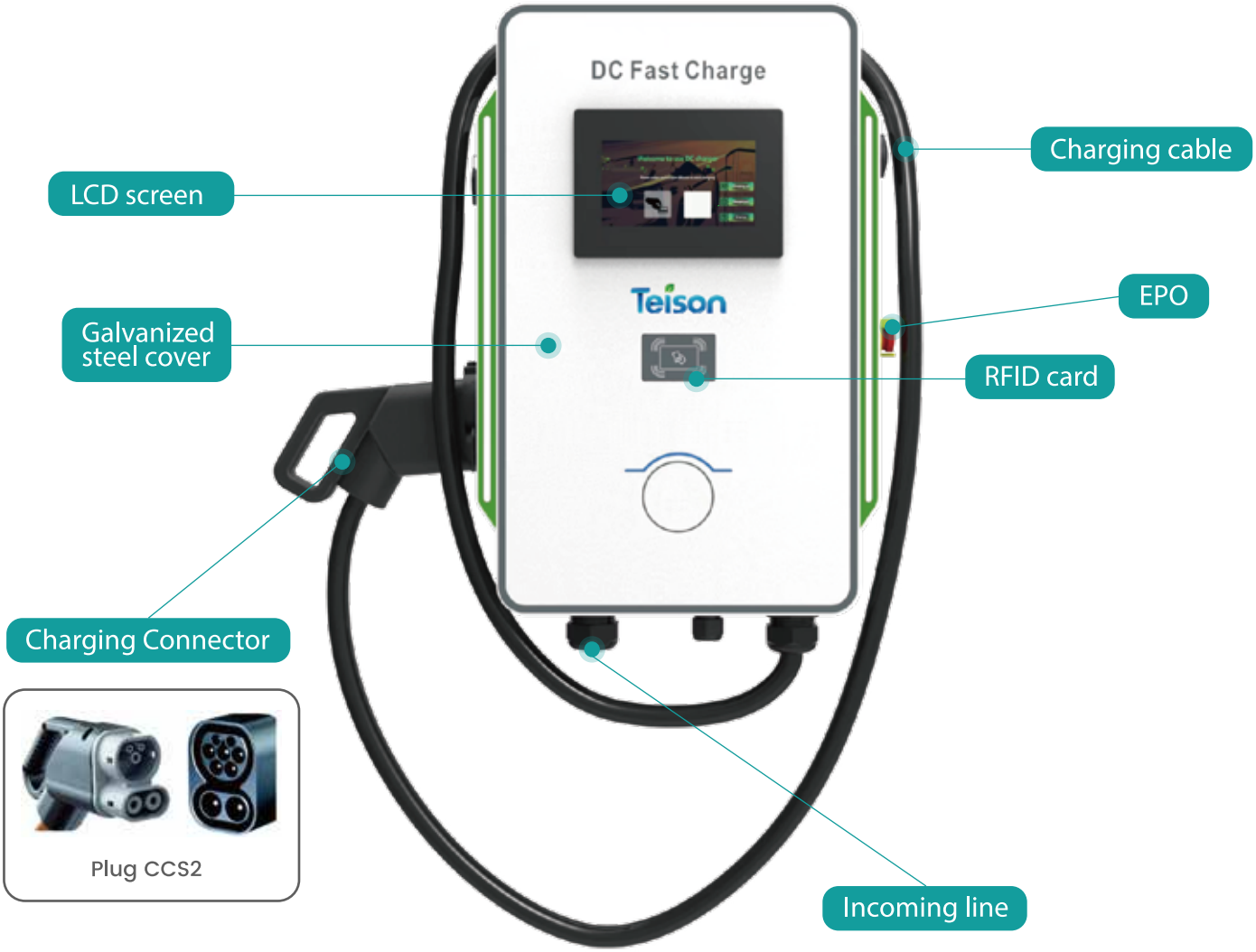
Teison

DC 30KW

TS-EDW-030-001

TABLE OF CONTENTS

Most safety charging solution



Plug CCS2

Product features

Support European standard CCS2 charging point

ISO15118/DIN70121, IEC61851 ,IEC62196

7-inch high-definition LCD capacitive touch LCD, multi-language support

RFID、Plug and Charge、QRCode

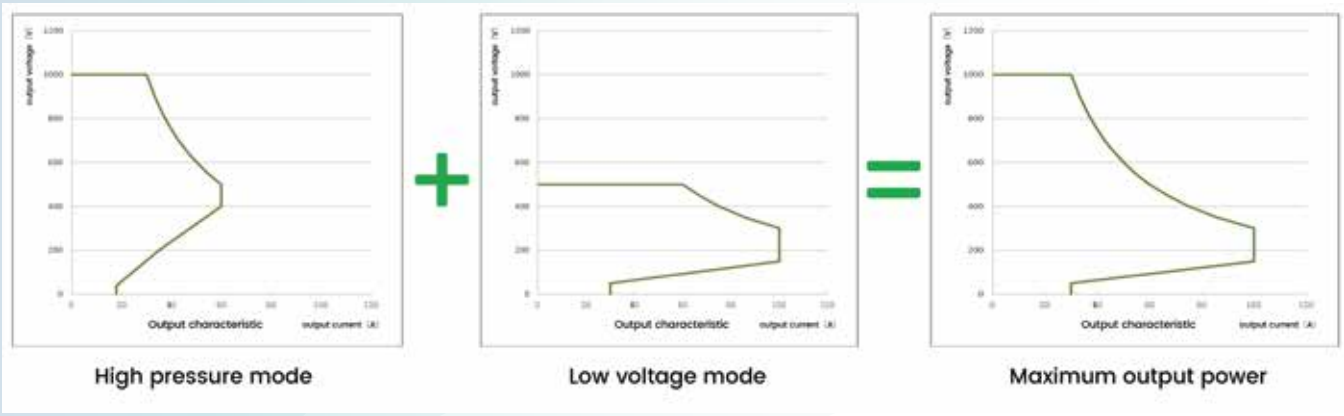
Ethernet connection server

Wide voltage (200~1000V), wide current (0~80A) output

Smart charging power distribution load management

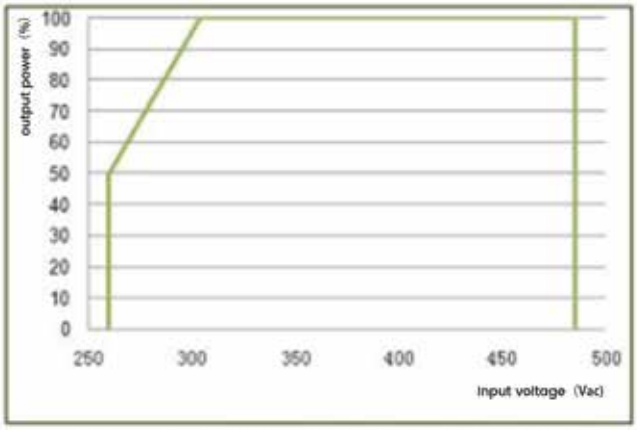
Characteristic curve

The output characteristics, voltage and current relationship are shown in the figure below.



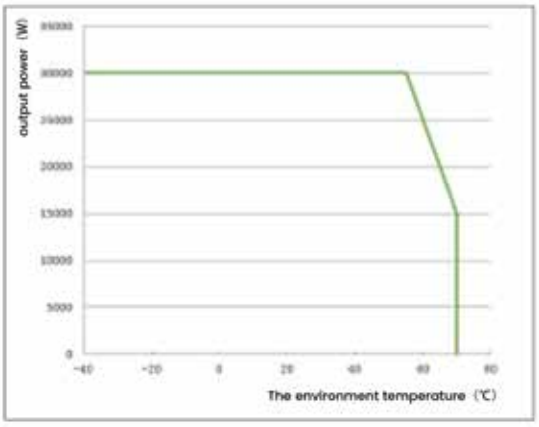
High pressure mode　　Low voltage mode　　Maximum output power

Input voltage and power



Input power limit curve of charging pile module

Input voltage and power



Temperature limit power curve

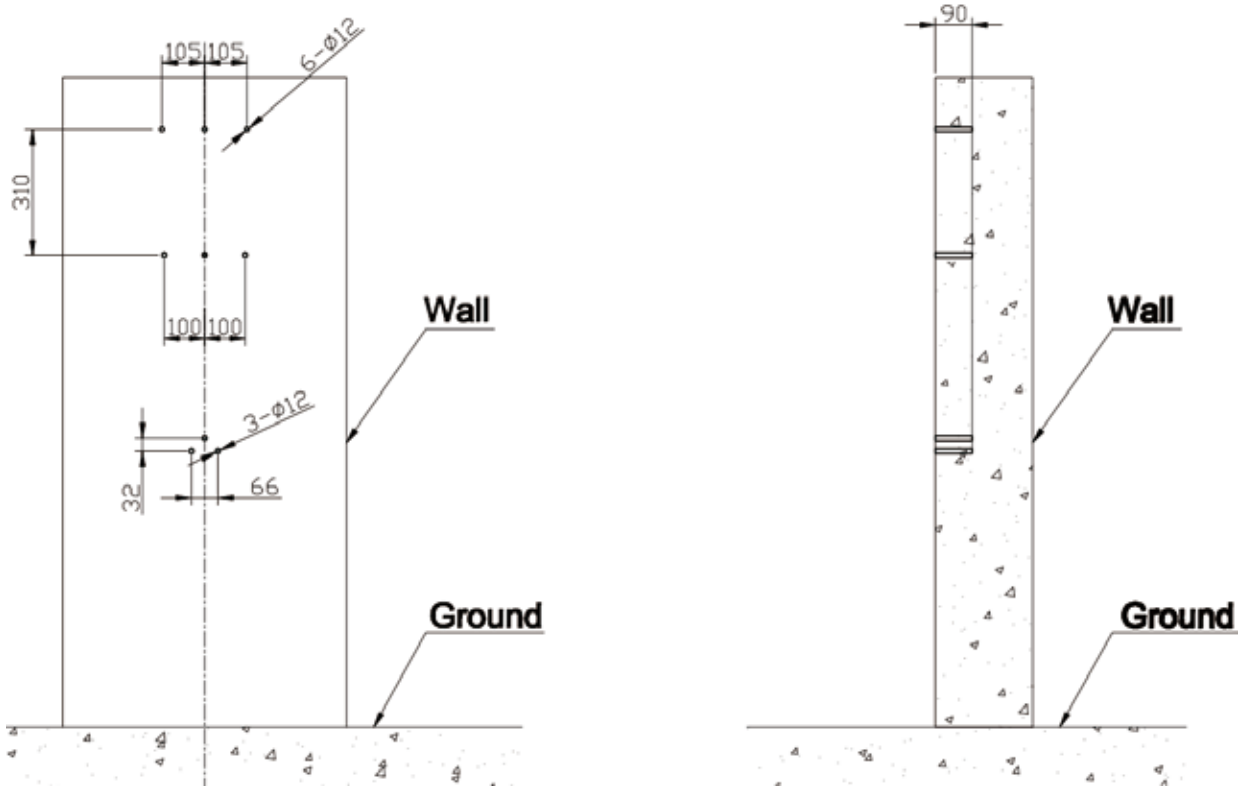
Parameter

Features	Installation (Hanging plug wire and plug head)	wall-mounted
	Rated Power	30KW
	Charging mode	Plug and Charge，RFID Swipe Card
	MTBF	≥120kh
Input characteristics	Input voltage	Three phase AC 400V±10%（L1+L2+L3+N+PE）
	Grid frequency	50Hz/60Hz±1Hz
	Input current range	AC 0A~48A
	Power-on input impulse current	≤ Maximum input current 120%
	Input protection	Overvoltage, undervoltage protection, lightning protection, phase loss detection
	Input micro break	With Type A leakage micro-break
Output characteristics	Output current	DC 0~80A
	Output voltage	DC 200V~1000V
	Output current limit protection	YES
	Output short circuit protection	YES
	Stable current accuracy	≤±0.5%
	Stable voltage accuracy	≤±0.5%
	Ripple factor	≤±0.5%
	Temperature Coefficient	≤±0.2‰
	effectiveness	≥95%
	Power factor	≥0.98 (Above 50% load)
	Output insurance	150A
	Working temperature	-30℃～+50℃; -40℃(±4℃) module start-up; derating use above 55℃; shutdown above 70℃
	storage temperature	-40℃～+80℃
Structural electrical	IP protection level	IP54
	size	460*670*270mm
	Wind tunnel	Bottom in top out
	cooling method	Smart air cooling
	Mounting brackets	Aluminum alloy bracket
	Altitude	≤2000m
	Noise	≤60dB

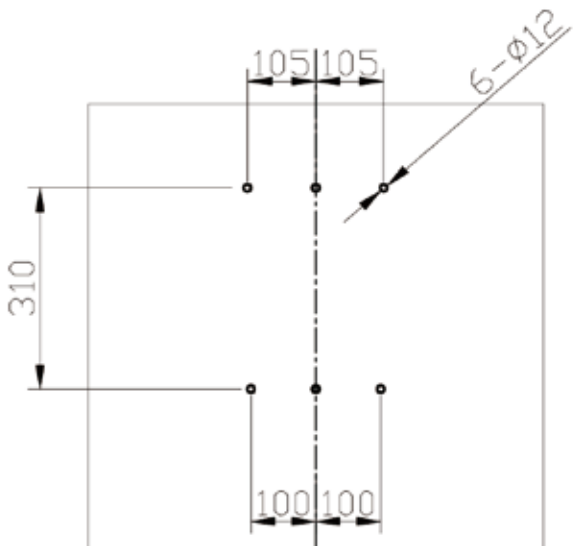
Connection method	connection method	Type C
	Plug standard	CCS2
	Executive standard (European standard)	IEC61851、IEC62196、ISO15118、DIN70121、EN61000-6-4：2007、EN61000-6-2：2005
	Cable Length	5m
Human-computer interaction	LCD	High-definition highlight industrial touch screen
	LED	Charging green, fault red
	Button	EPO（Emergency stop detection）
Detection function	Emergency stop detection	Emergency stop cuts off DC output
	DC voltage sampling	DC+, DC- output DC voltage sampling
	BAT battery sampling	BAT+, BAT- battery voltage sampling
	DC current sampling （Front end of DC contactor）	DC output current sampling
	Measurement accuracy	Level 1
	Battery reverse connection detection	Prevent the gun tip or battery from being reversed
	Connection temperature	Plug temperature detection
	Ambient temperature	Temperature check inside the case
	Insulation detection	DC+ and PE, DC- and PE impedance
	Leakage current detection	30mA leakage protection switch
	Protective function	Output short circuit protection, output over voltage protection, output over current protection, fan failure alarm
Maintain	USB upgrade	Firmware upgrade
Other	Welding inspection	1 second discharge below 60V

Installation

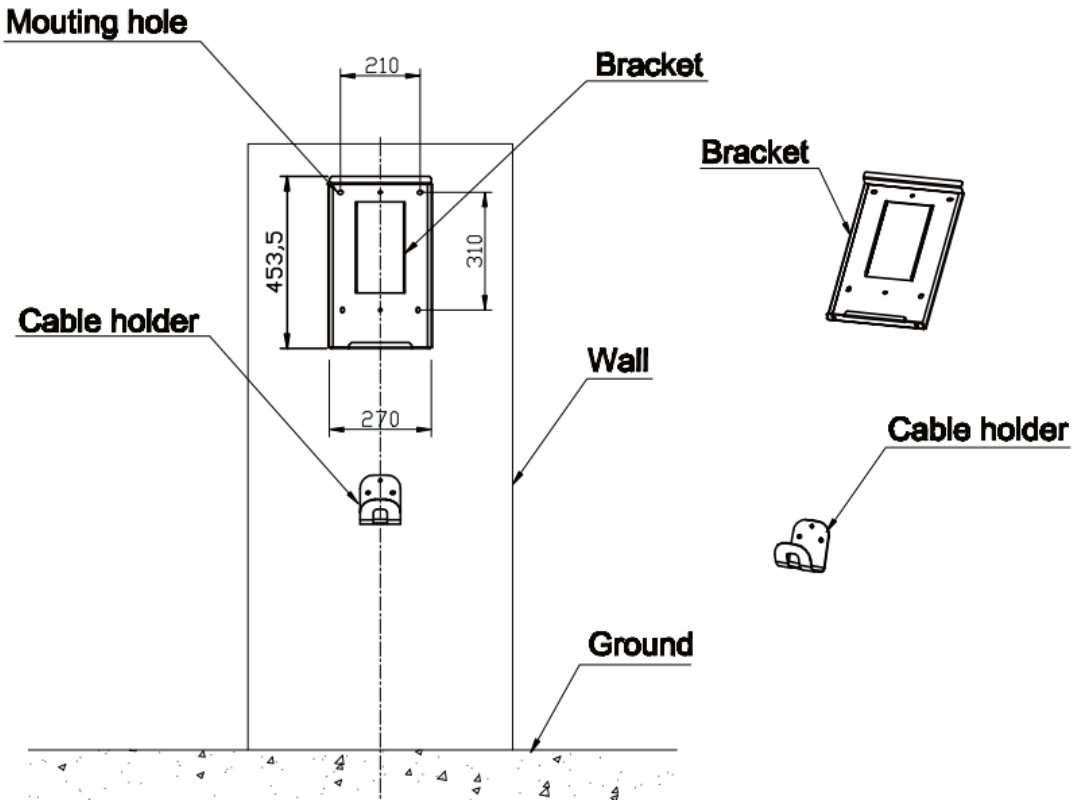
Installation height 0.5m~1.2m



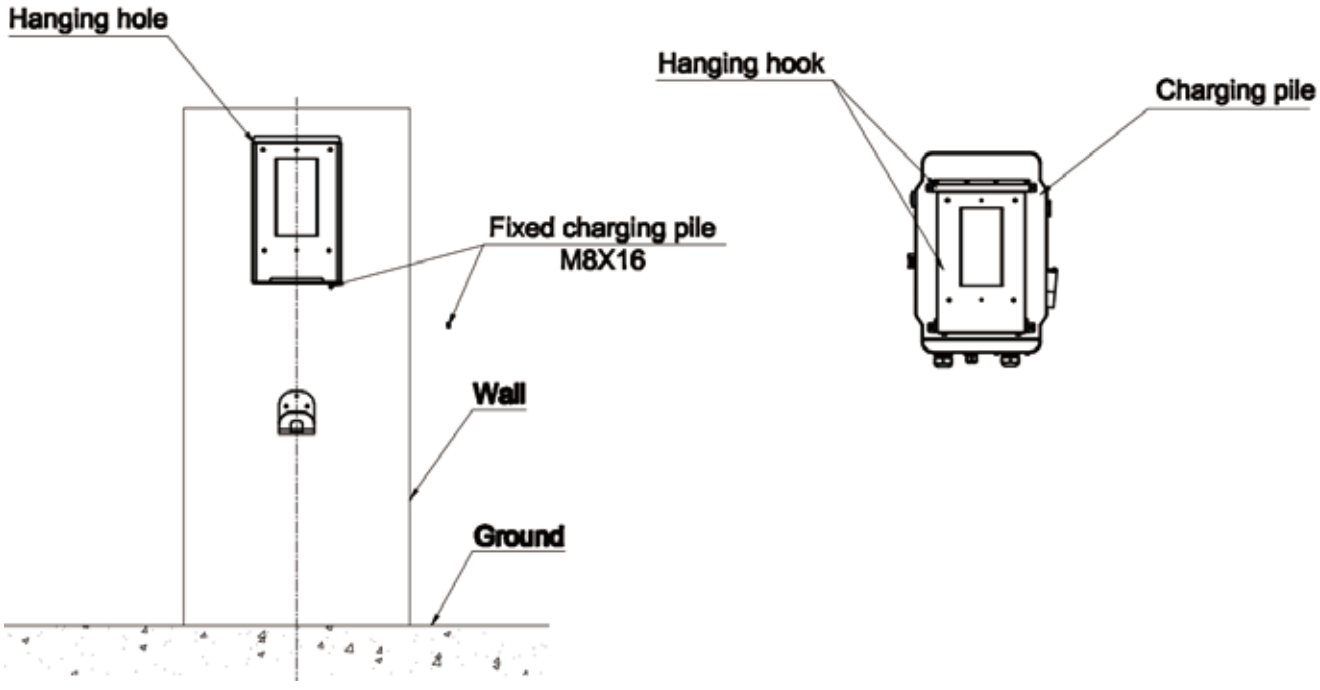
Hanger hole size



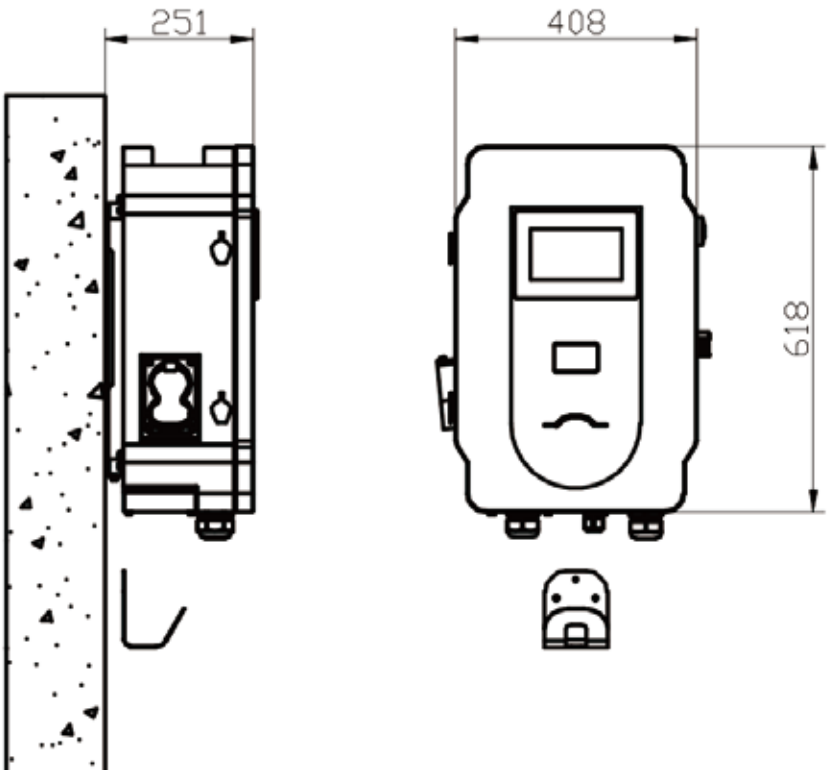
The installation of the hanger is shown in the figure. The hanger is divided into a wall box hanging plate and a cable hook.



Wallbox charger mounted on a hanger



The installation is completed as shown below

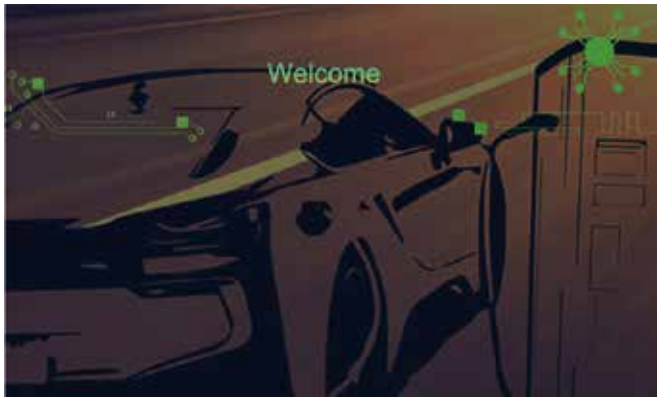


The incoming wiring is as follows

The incoming wiring is as above, connected to A/B/C/N/PE, and the incoming wire is directly connected to RCBO. The incoming cable needs to use a double-layer insulated cable of 10mm or more, and the PE must be connected reliably.

Instructions

Power up welcome page



The LCD idle standby page is displayed as follows, and the page automatically switches to three types according to the mode.

APP Mode

The white area is the QRCode display area.

RFID mode

Plug and Charge

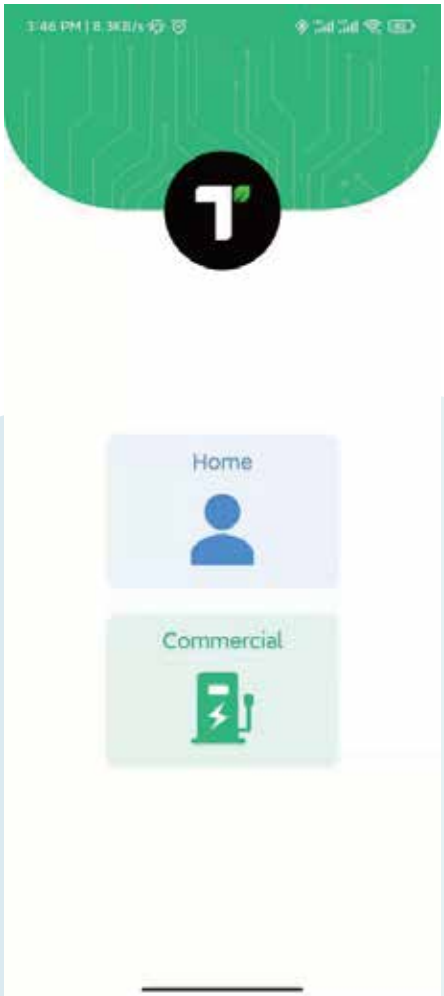
Management and Page

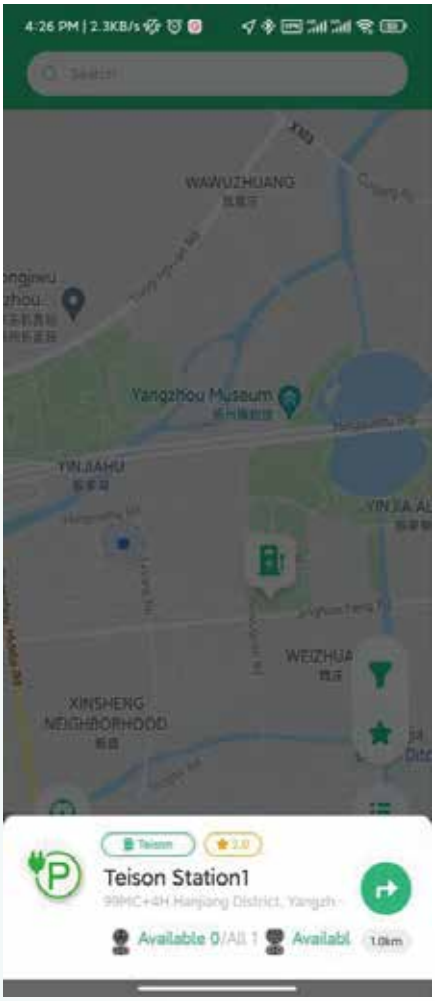
Click the Management Settings button to enter the following management settings page

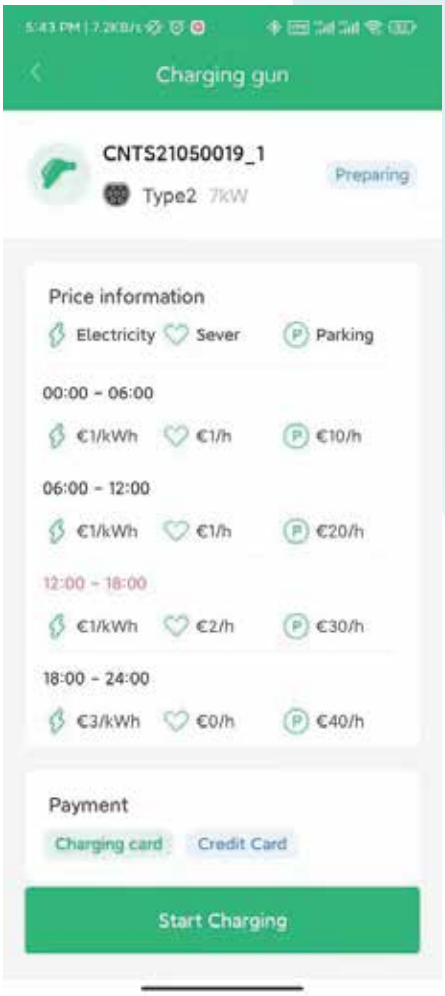
Enter the password in "System Parameters" in the management page, the default password is "1234", you can modify the password, modify the charging mode, etc.

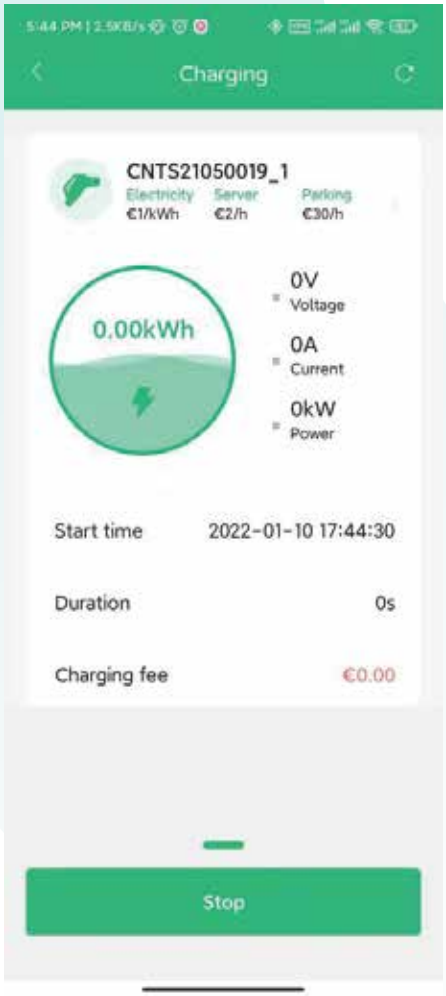
Modify the selection "Charging Mode"

1: APP and RFID (online card), start charging mode
2: RFID (recharge card) start charging method
3: Plug&Charge charging mode, usually for personal use
The APP start up process is as follows : The following is the APP operation demonstration
The APP operation flow is as shown in Figure 5 steps

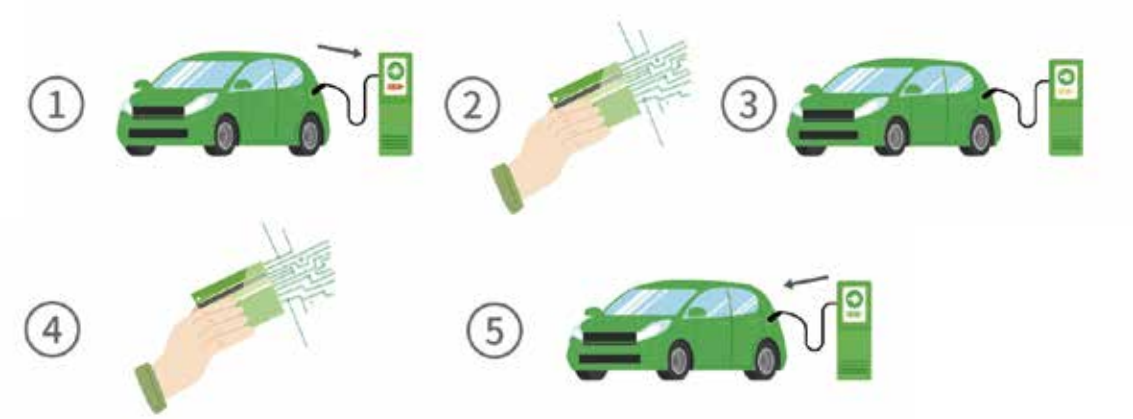








The RFID card swiping startup process is as follows



1. Charging station is ready,plug is connected, car and charger are connected
2. Swipe the card and hear the buzzer sound (indicating that the card is successfully swiped)
3. Charging starts, the charging green LED lights up
4. Swipe, stop, Plug off

The charging page is displayed as follows