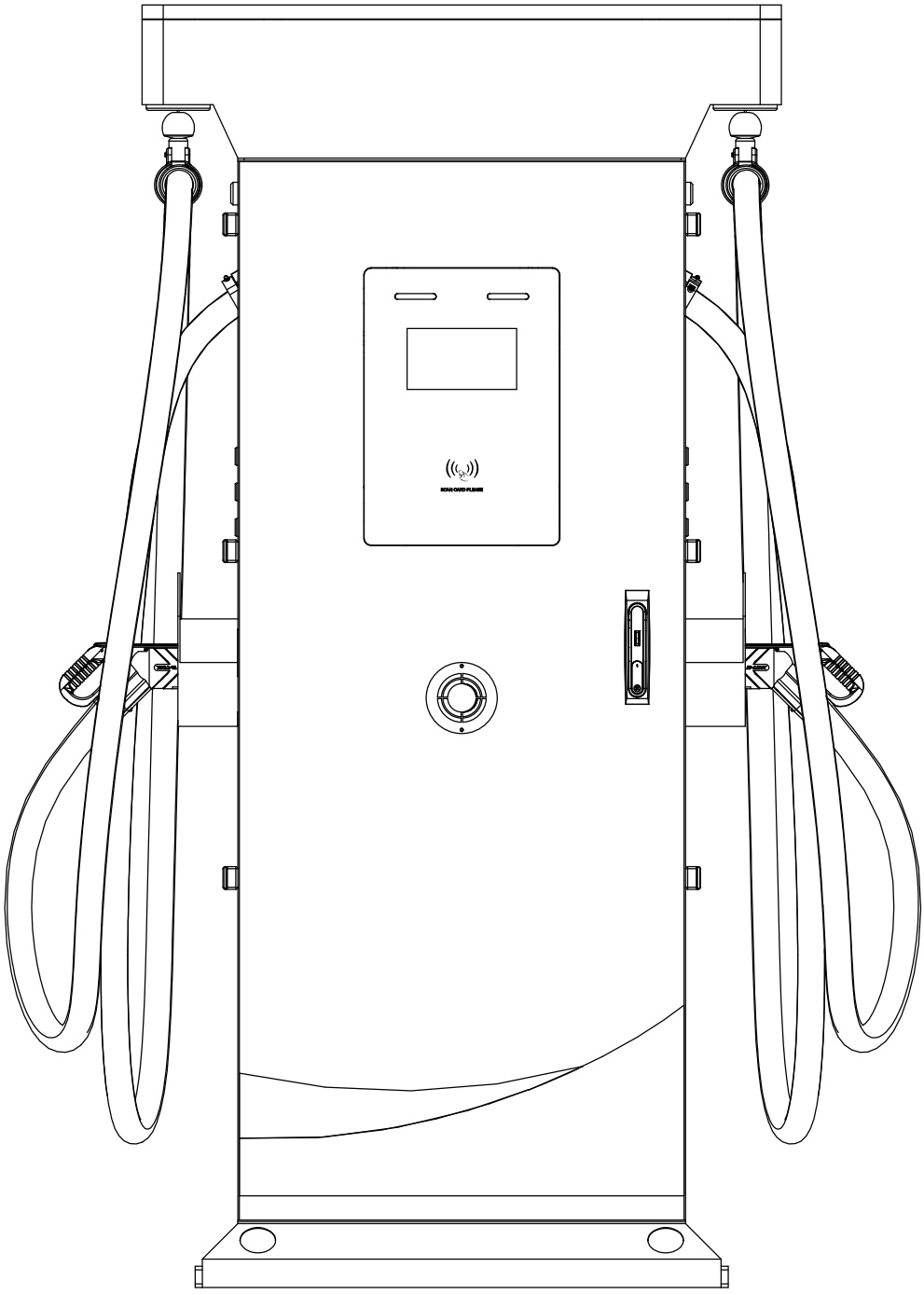
User Manual
EV DC charger
HBE-DC60KW02ST-U-A1NW4G



Catalogue

IMPORTANT SAFETY INSTRUCTIONS

WARNING – When using electric products, basic precautions should always be followed, including the following

a) Read all the instructions before using this product.

b) This device should be supervised when used around children.

c) Do not put fingers into the electric vehicle connector.

d) Do not use this product if the flexible power cord or EV cable is frayed,has broken insulation, or any other signs of damage.

e) Do not use this product if the enclosure or the EV connector is broken,cracked, open,or shows any other indication of damage.

f) This charging pile cannot be dismantled, repaired or modified by the customer.

g) To reduce the risk of fire, connect only to a circuit provided branch circuit over-current protection in accordance with the CSA C22.1-15 Canadian Electrical Code,Part 1(Canada) or NOM-001-SEDE Electrical installations (utility) (Mexico) or ANSI/ NFPA70 National Electrical Code (USA).

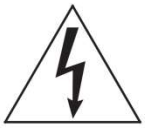
h) WARNING

GROUNDING INSTRUCTIONS

This product must be connected to a grounded, metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.

i) When any fault occurs, the product is prohibited to use, the user is prohibited to repair, must be sent to the after-sales maintenance or call the after-sales service for help.

j) Risk of electric shock.



SAVE THESE INSTRUCTIONS

CONCERNANT LA SÉCURITÉ CONSERVER CES

AVERTISSEMENT: Des mesures de précautions de base devraient être utilisées avec tous les produits électriques, y compris les mesures indiquées ici.

a)lisez toutes les instructions avant d'utiliser ce produit.

b) Ce dispositif devrait etre supervise lorsqu'il est utilisé autour des enfants.

c)Ne mettez pas les doigts dans le connecteur du vehicule electrique.

d) Nemployez pas ce produit si le cordon d'alimentation flexible ou le cable Ev esteffiloché, a N'isolation cassee, ou tout autre signe de dommages.

e). N'utilisez pas ce produit si le boitier ou le connecteur EV est casse, fissure,ouvert,oumontre toute autre indication de dommages.

f) Cettepile de charge ne peut etre démontee, reparee ou modifiee par le client.

g) Pour reduire le risque d'incendie , branchez uniquement un circuit pourvld'uneprotection contre les surintensites de circuit de branche conformement a la norre CSAC22.1-15 du Code canadien de 'electricite , partie 1 (Canada) ou a la norme NOM-001-SEDE Electrical installations (utility)(Mexique) ou a la norme ANSI/NFPA 70 du CodeNational de Pelectricite(Etats-Unis).

h) CONSINGES DE MISE ALA TERRE Ce produit doit etre raccordéa un reseaucablage mis a la terre, metallique et permanent, ou un conducteur de mise a la terre delappareil doit etre ajoute au circuit et raccorde a la borne de terre de 'appareil ou auconducteur d'alimentation de l'appareil.

i) Quand n'importe quel defaut se produit, le produit est interdit pour employer, I'utilisateurest interdit pour reparer, doit etre envoyé a lentretien apres-vente ou appeler le serviceapres-vente pour I'aide.

J) Risque de choc électrique

CONSERVER CES INSTRUCTIONS

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s). 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

MPE Requirements

To satisfy FCC / IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.

Les antennes installées doivent être situées de facon à ce que la population ne puisse y être exposée à une distance de moin de 20 cm. Installer les antennes de facon à ce que le personnel ne puisse approcher à 20 cm ou moins de la position centrale de l' antenne.
La FCC des éltats-unis stipule que cet appareil doit être en tout temps éloigné d'au moins 20 cm des personnes pendant son functionnement.

Safety Precautions

1. Do not bring dangerous items such as inflammable, explosive, or combustible materials, chemicals, and combustible steam near charging piles.

2. Keep the head of the charging gun clean and dry. If there is any dirt, please wipe it with a clean dry cloth. Do not touch the charging refill with your hand when it is energized.

3. Do not use charging piles in case of broken charging guns or charging cables, cracks, exposed wires, etc. If anything above is found, please contact the staff in time.

4. Do not disassemble, repair and modify charging piles without permission. If there is any need for maintenance and modification, please contact the staff. Improper operation may cause equipment damage and power leakage.

5. If there is any abnormal situation during use, please immediately press the emergency button and cut off the power supply.

6. During the charging process, the vehicle is not allowed to drive and can only be charged when it is stationary. Please turn off the hybrid tram before charging.

7. In case of rain and thunder, please charge carefully.

8. Children should not approach and use charging piles during charging to avoid injury.

9. Please close the doors on both sides when charging to avoid electric shock.

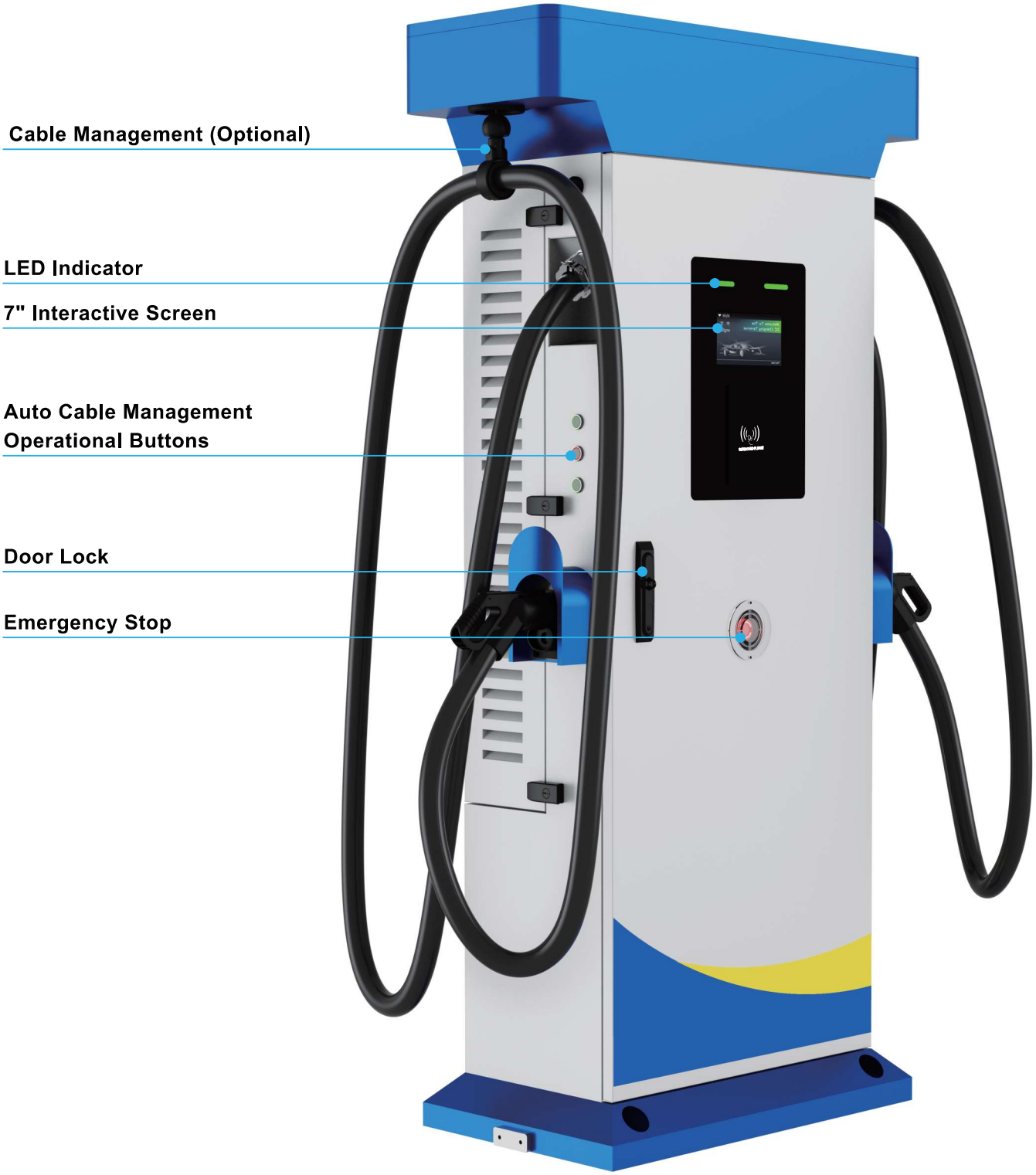
10. During the charging process, the charging connector shall not be forcibly unplugged, which can avoid safety accidents caused by the ignition at the joints.

Certification Standards

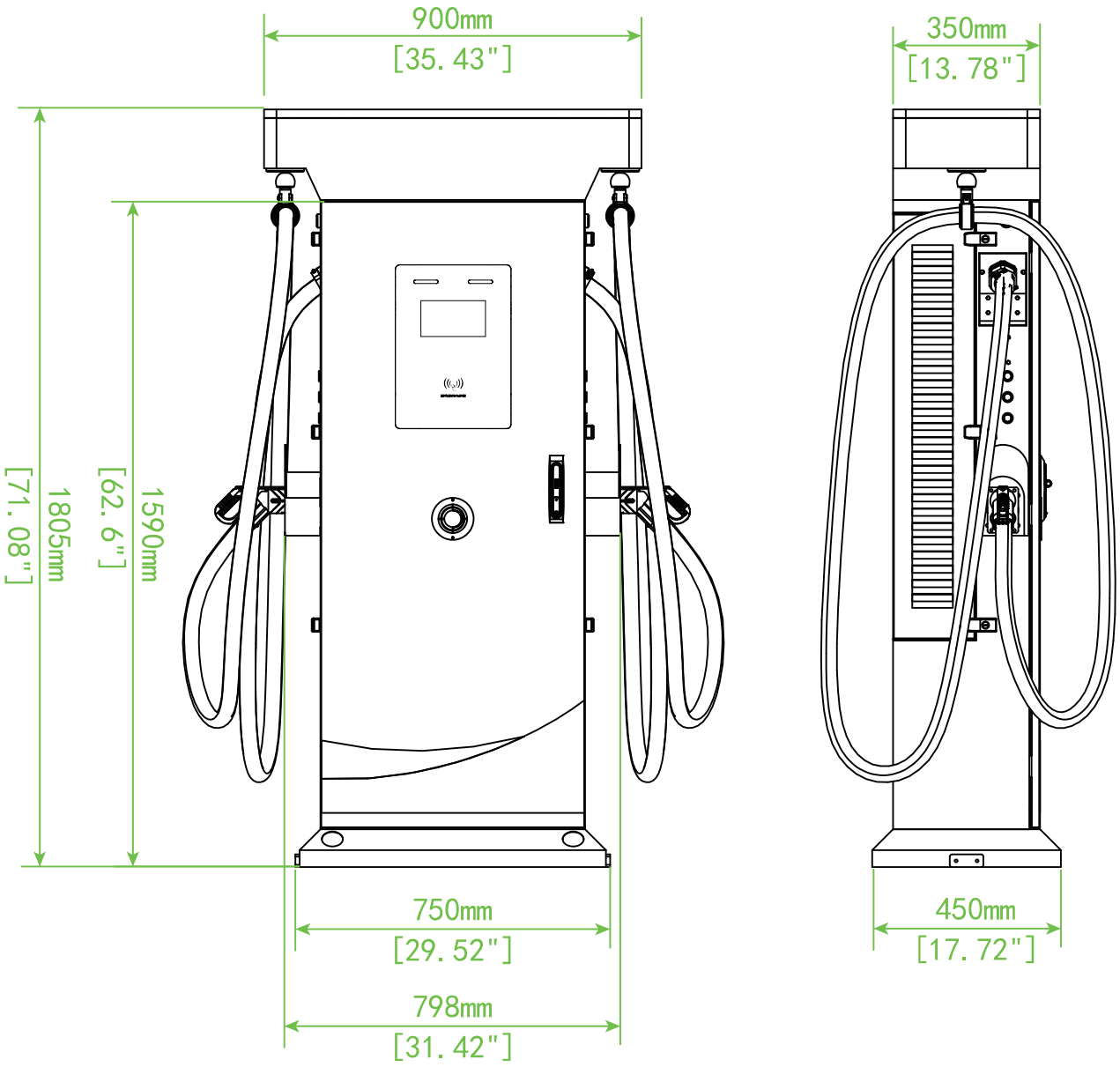
- UL 2202: 2022 Ed.3 Clause
- CSA C22.2 #346:2022 Ed.1Clause
- UL 2231-2:2012 Ed.2+R:15Dec2020 Clause
- UL 50E: 2020 Ed.3 Clause
- UL 991:2004 Ed.3+R:09Jun2010: Clause
- UL 1998:2013 Ed.3+R:24Sep2018 Clause

1. Interface


LED Indicator
7" Interactive Screen
RFID Scanner/Credit Card Terminal (Optional)
Left DC Connector
Emergency Stop
Right DC Connector


Cable Management (Optional)
LED Indicator
7" Interactive Screen
Auto Cable Management
Operational Buttons
Door Lock
Emergency Stop

2. Dimensions



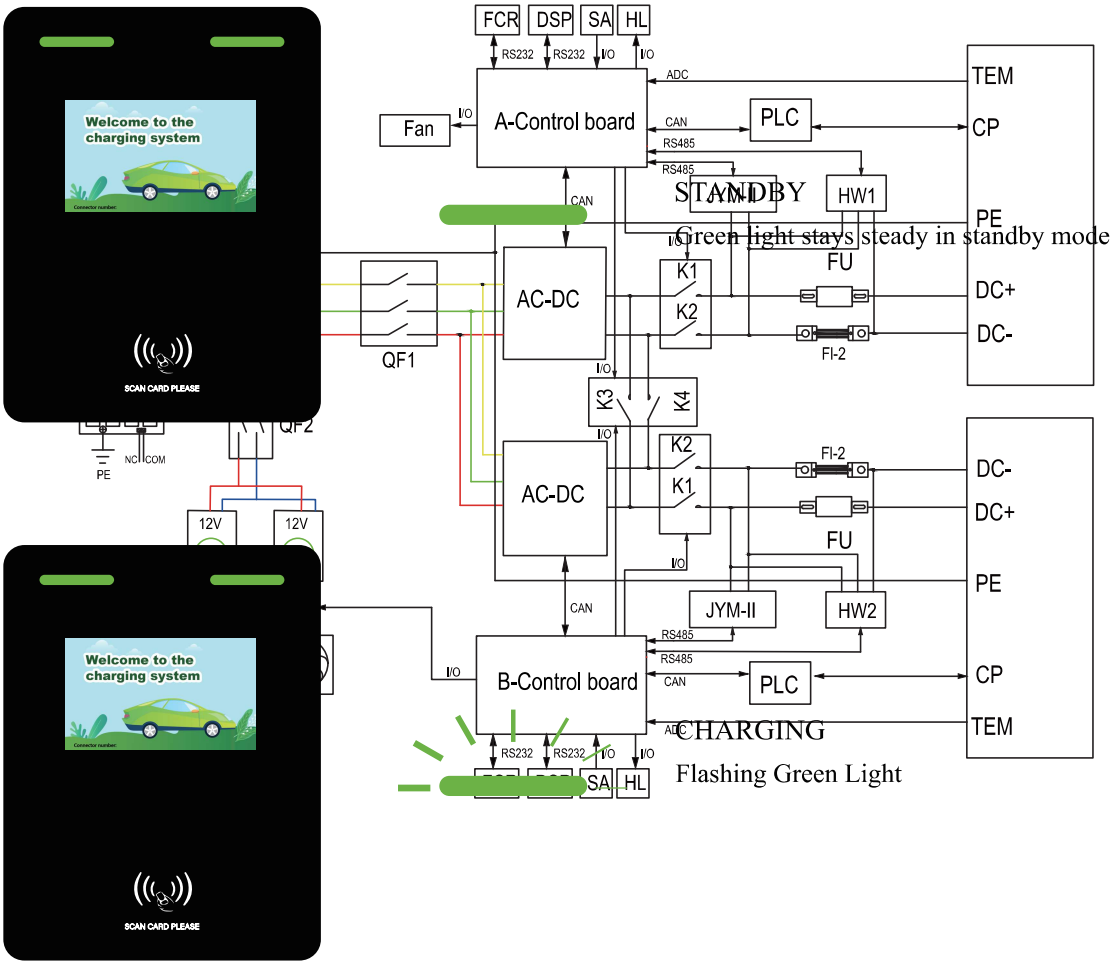
3. Brief Account

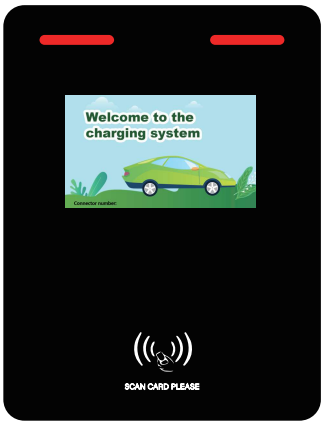
This product is a floor-type DC charging pile, which is mainly used for DC fast charging of electric vehicles. It integrates charging control, human-machine interaction control, communication, billing and metering functions. With protection class up to IP54, it can work safelyoutdoors . The power conversion unit of the charging pile follows the principle of modular design to meet the charging needs of electric vehicles with different capacities. It is the best choice for DC fast charging.

4. Equipment parameters

Specifications	Values
Maximum power of the product	60KW
Input Voltage	480VAC
Input Frequency	60Hz
Output voltage	200-1000DC
Single Maximum Output Current	200A
Charge Mode	Optional: □Offline swipe card □Operation online scan code □Operation online swipe card □Plug and play □Credit card terminal □Password charge
Communication Mode	Optional: □Ethernet □WIFI □4G
Operating Temperature	-30 ~ +55℃
Relative Humidity	≤95%
Protection Level	TYPE 3R
Anti-vandalism:	IK10, except screen
Safety Design	Leakage protection, Over-voltage protection, Over current, Under-voltage protection, Emergency stop protection, Full stop charging protection, Short circuit protection, Over temperature protection
Installation Mode	Wall mounting type
Interfaces Count	One cable with 5 meters
Size	900x 450 x 1805 mm
Operating Environment	Outdoor & lndoor
Operating Occasion	Residential charging, Commercial charging

5. Schematic Diagram





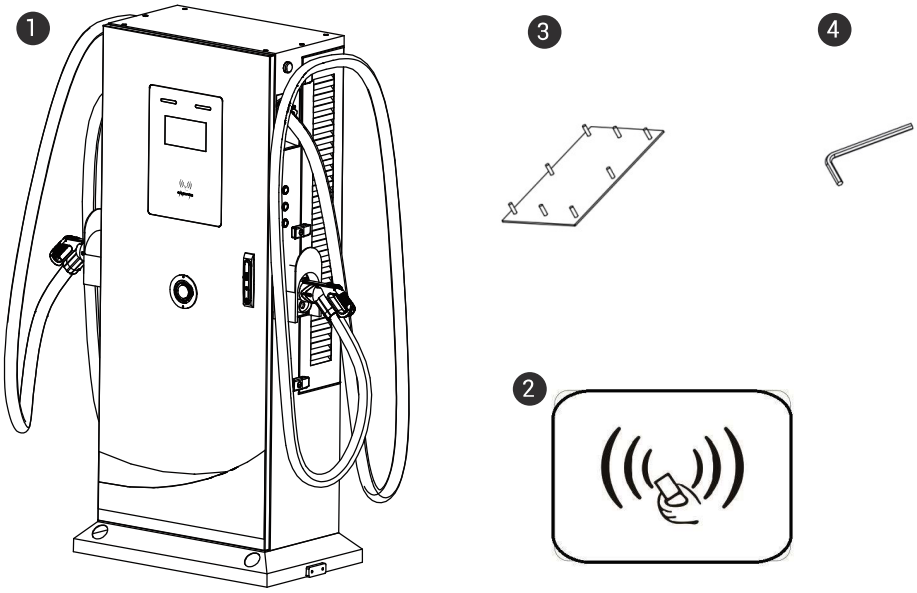
FAULT

Steady red light when fault occurs

6. Status Description

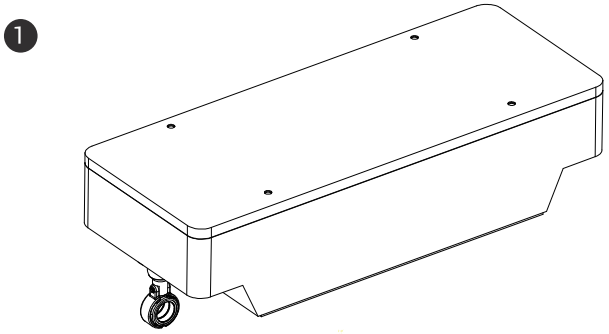
7. Packing List

7.1 Main Unit



No.	Product Name	Qty	Notes
1	DC Charger (With Charging Cables)	1	
2	RFID card (Optional)	1	
3	POS Cover Plate (Optional)	1	
4	Opposite side 3mm HEX Wrench	2	The cable puller clamp uses a fixed charging gun cable

7.2 Cable Management



No.	Product Name	Qty	Notes
1	Cable Management	1	

8. Product Installation

8.1 Tools and Materials Required

Type	Description
Stanley screwdriver	No. 2 and 3
Stanley brand adjustable wrench	Pieces 6.3MM metric machine set STMT82672-23
Socket screwdriver	No. 8, 10, 17 and 19
Electrical tape	Black / 15mm (0.6inch) Width
Electric drill	One manual electric drill (Diameter φ12)
Wire nipper	One
Needle nose pliers	One

8.2 Basic Requirements for Installation

8.2.1 Reserve not less than 1 meter space around for the charger.

8.2.2 Chargers must be installed on customized concrete.

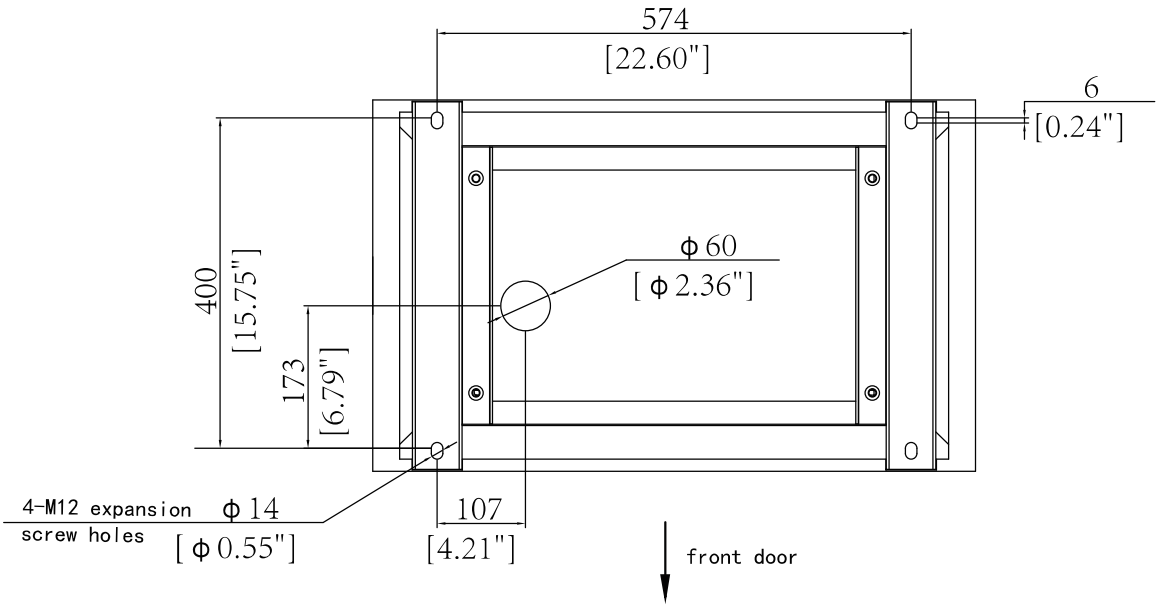
8.2.3 The height of concrete should be 200MM above the horizontal ground and the vertical inclination should not exceed 5 degrees. Drill φ13 holes in the cement base according to the drawing spacing and install M10 expansion screws.

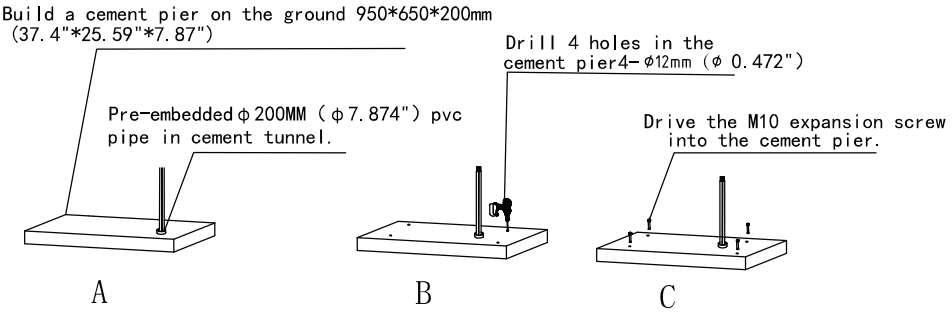
8.2.4 Place the body into the corresponding hole on the base and tighten the screws.

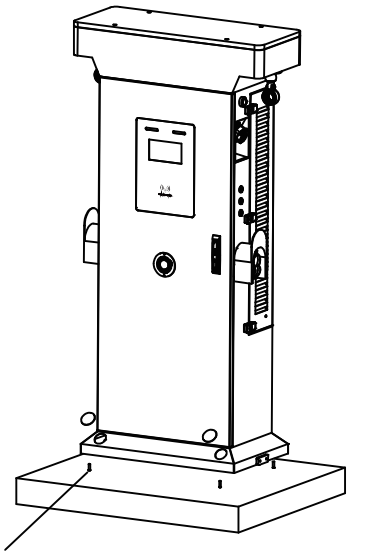
8.2.5 The charging pile and cement base should have reliable grounding connection, the grounding resistance must be less than 4Ω.

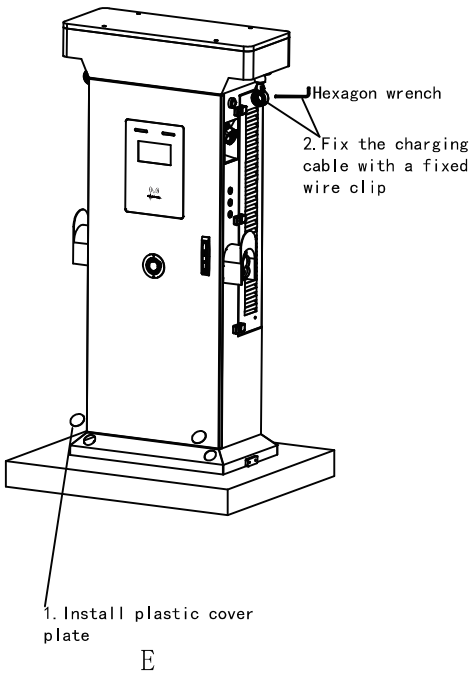
Attention： Rat control measures must be taken inside the pile body.

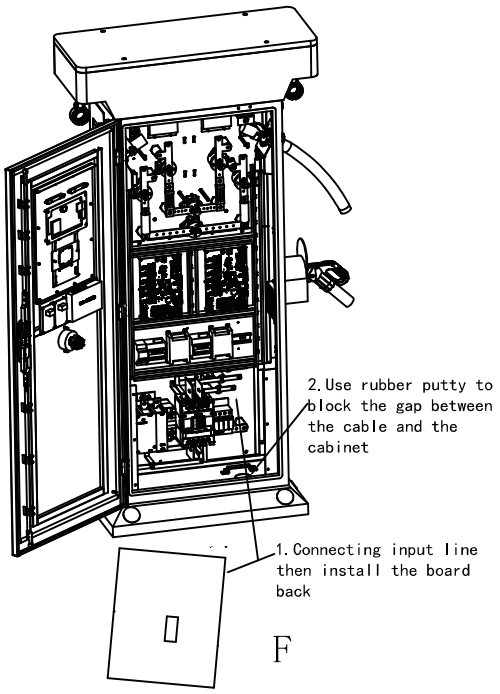
8.3 DC Charging Pile Installation Requirements



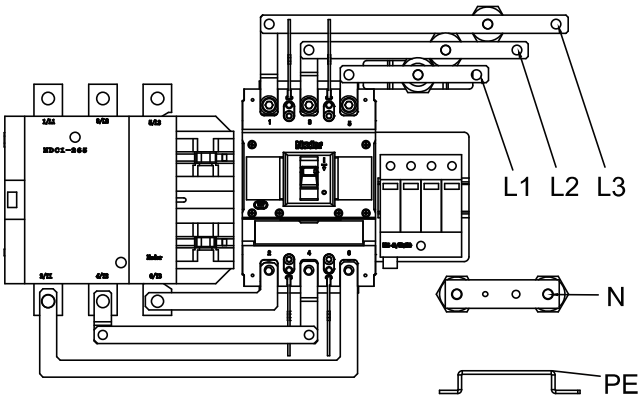


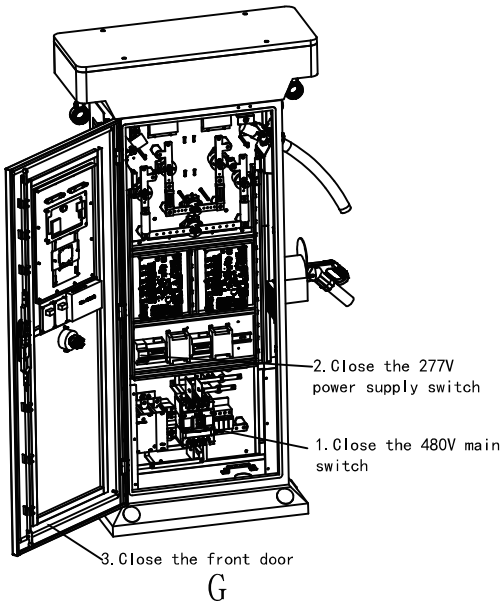




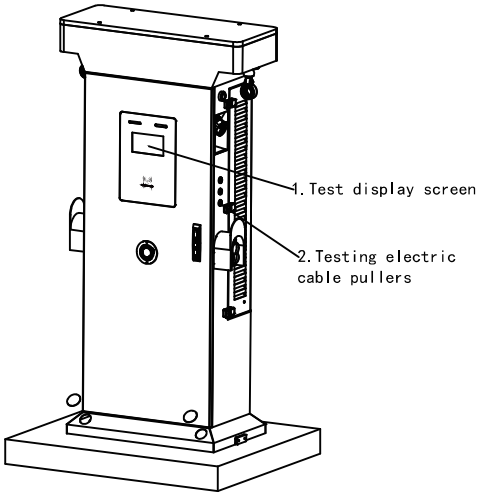

2.Use rubber putty to block the gap between the cable and the cabinet
1.Connecting input line then install the board back

F


L1 L2 L3
N
PE


2.Close the 277V power supply switch
1.Close the 480V main switch
3.Close the front door

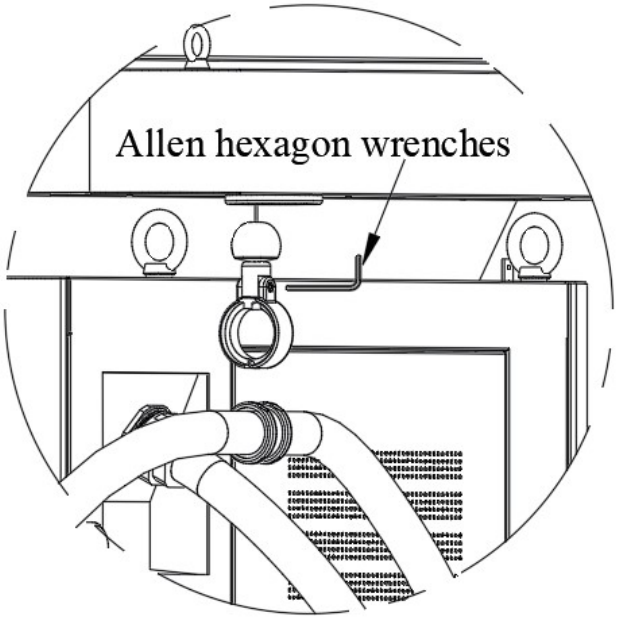
G


1.Test display screen
2.Testing electric cable pullers

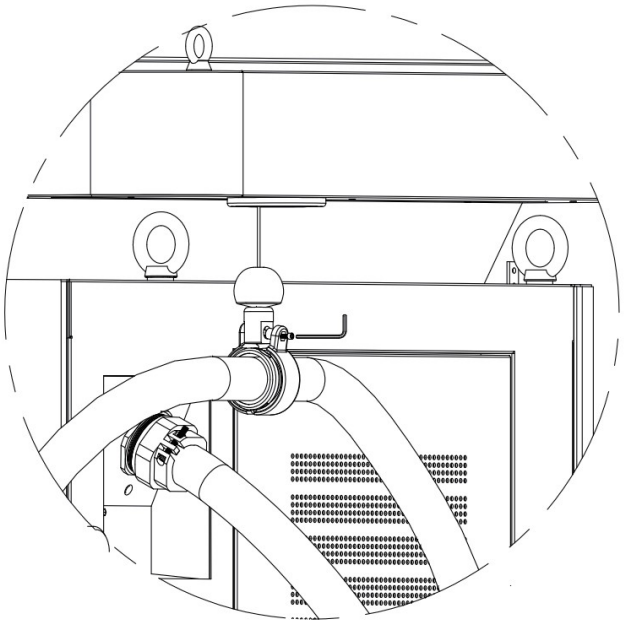
H

8.4 Cable Management Installation

Use a hex wrench to loosen the screw of the cord coil and install the cord coil at a suitable length on the charging cable.

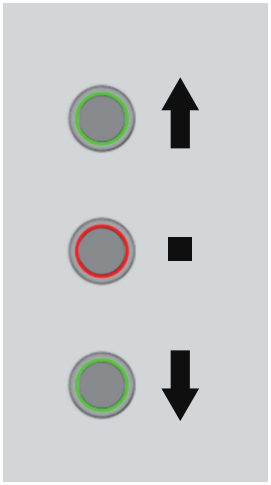


Replace the cover on the cable and fasten the screw to finish installation



- When the " ⬆ " button is pressed, the charging cable will move upward. At this time, the cable is in the process of retracting the cable. The reset will be compieted when the retracting operation stops automatically.

- When the " ⬇ " button is pressed, the charging cable will move downward. At this time, the cable is in the process of releasing the cable. Each cable release lasts about 30 seconds and the length of the cable is 2~3 meters.



Please note:

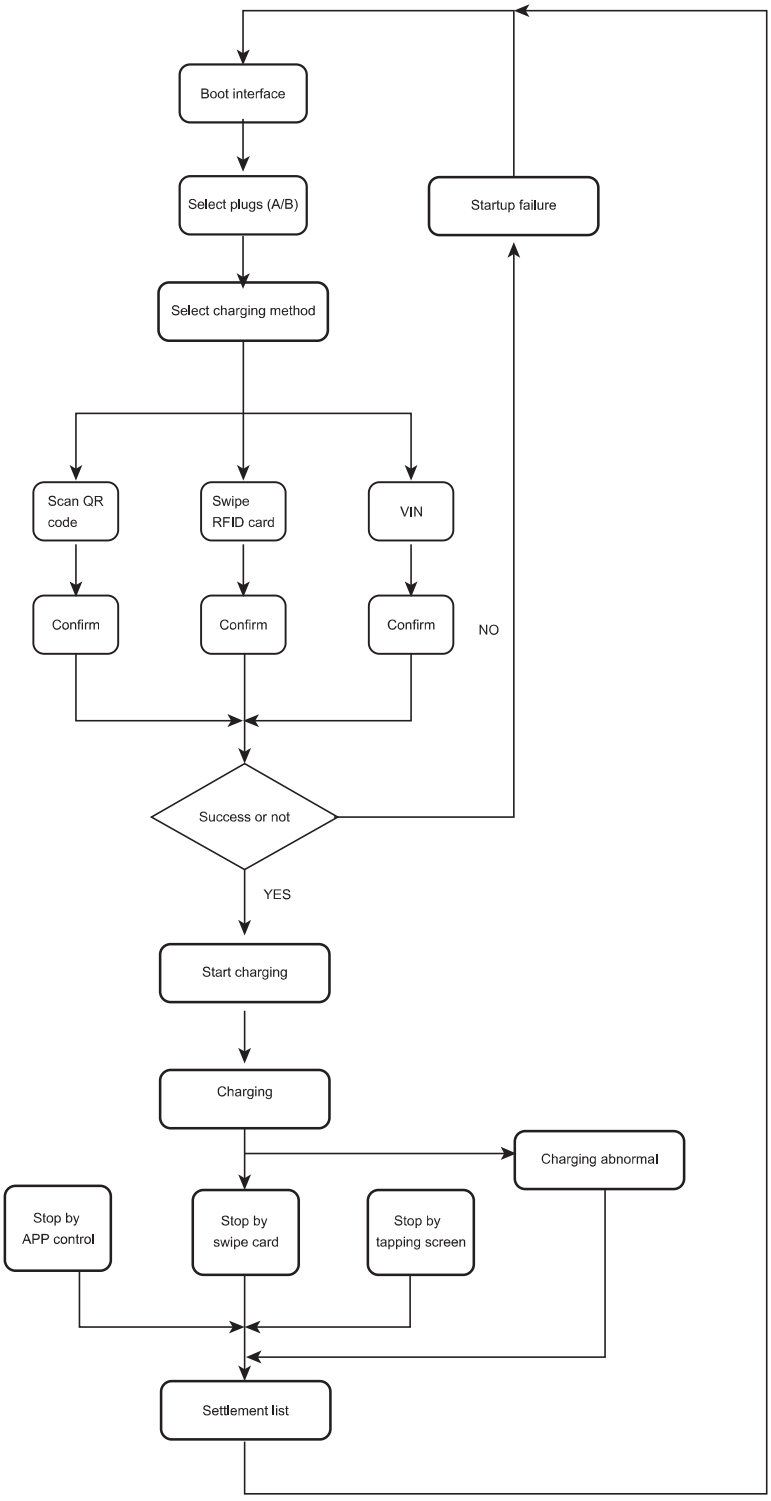
1.Press the " ■ " button for the first time to ensure that the cable moves upwards and repositioning is completed.

2.During the cable release operation, you can choose to stop or continue releasing the cable.

3.During the cable retracting process, as the main control board is resetting each time the cable is wound, please do not press any button to ensure the next operation can be smoothly into the cable. The " ■ " button should only be used in case of emergency.

9. Charging operation

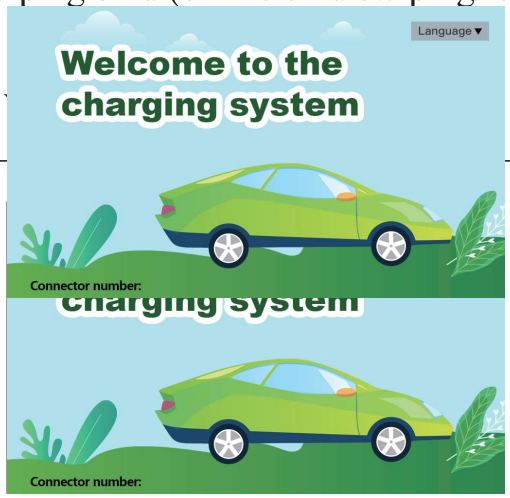
9.1 Charging operation flowchart



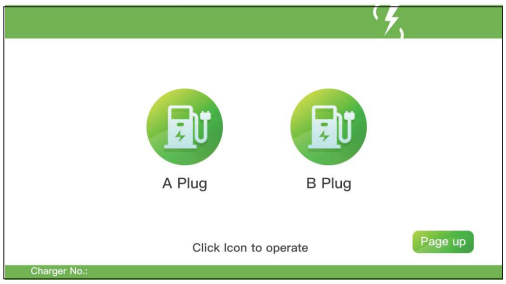
9.2 Charging Mode Startup operation interface

This series of charger has three startup modes: VIN code, scanning QR code and swiping card (online card swiping/ offline card swiping) . Specific examples are as

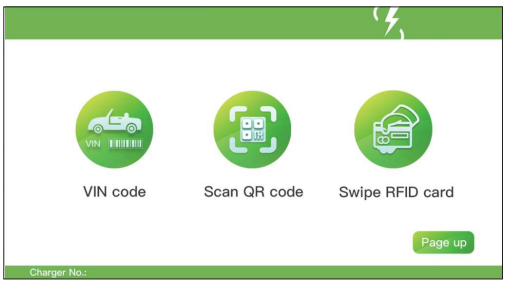
a.

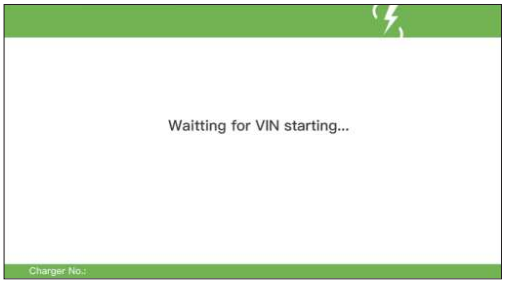


2. Select plugs (A/B).

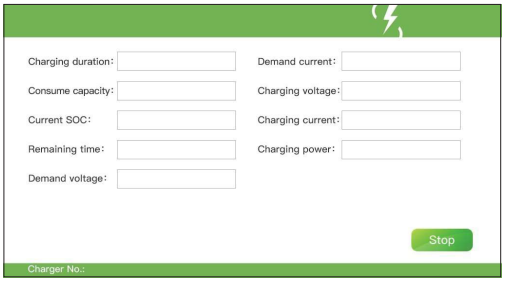


3. Click VIN code to charge.

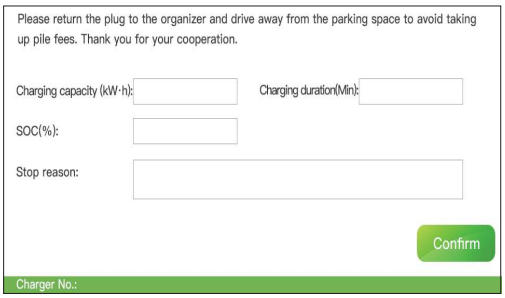




4. After successfully identification, enter the charging interface.



5. Stop charging and enter the settlement interface.



6. Enter the settlement interface.

7. Thank you.