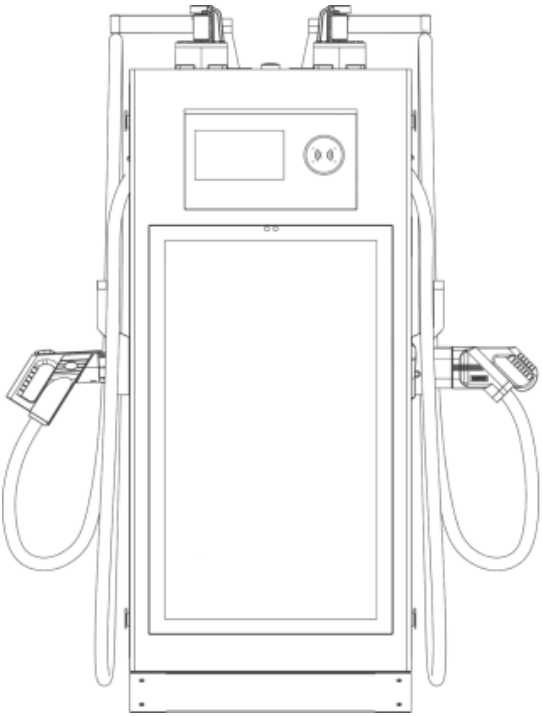
Zecomex

Super DC Series

120-240KW

DC Fast advertisement Charger

User Manual & Installation Instructions



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Introductions

The Global charge DC Fast Charger is the ideal solution for charging battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). Designed for high-power, efficient charging, it is perfect for public and private locations such as commercial parking lots, highway service areas, fleet charging depots, workplace facilities, and residential communities.

Featuring a standalone, robust design, this large-scale DC fast charger supports a wide range of charging applications with a focus on durability and performance. Its modular architecture ensures scalability and easy maintenance, making it a cost- effective choice for long-term use.

Equipped with advanced network communication capabilities, the charger integrates seamlessly with remote management systems, offering real-time updates to users. Drivers can easily locate nearby charging stations, monitor charging progress, and access billing details through a user-friendly interface.

With certifications for safety, waterproof, and dustproof performance, this DC fast charger is built to withstand outdoor environments. Its clear display and intuitive controls make it the reliable choice for businesses and operators seeking to provide top-tier charging services.

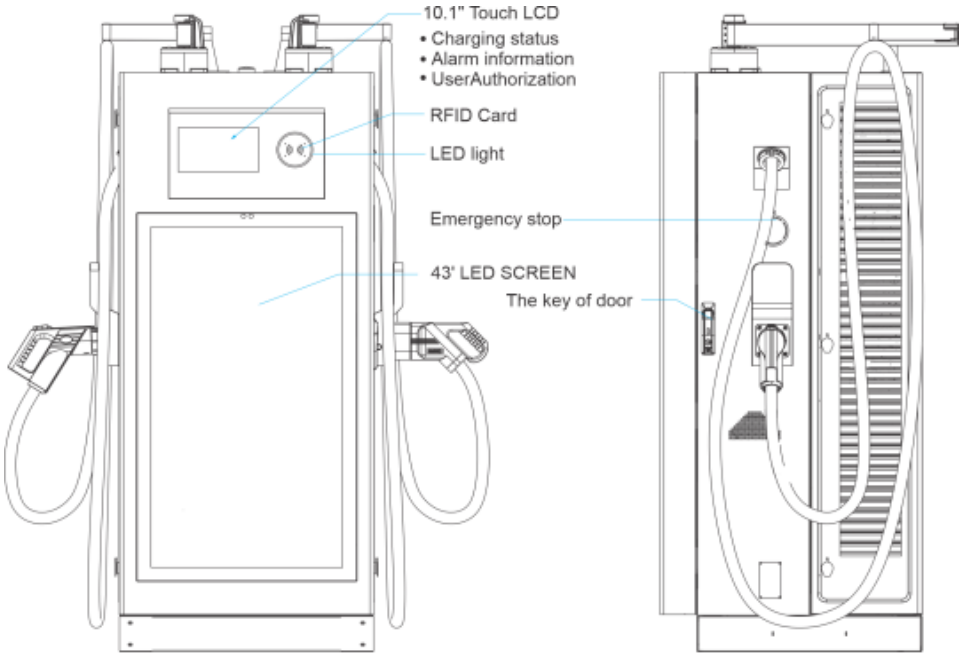
Features

- Offers customers the convenience of start/stop charging control from an autho- rized RFID smart card or mobile APP.
- Built on latest industry standards for DC charging.
- Carries an outdoor rating capable of withstanding solid and liquid intrusions in outdoor settings making the unit more stable and highly reliable.
- Provides a high-contrast, screen interface with multi-function buttons.

Applications

- Public and private parking areas
- Community parking areas, Workplace parking areas
- Parking areas of hotels, supermarkets and shopping malls
- Charging stations
- Highway rest are

Basic User Interface



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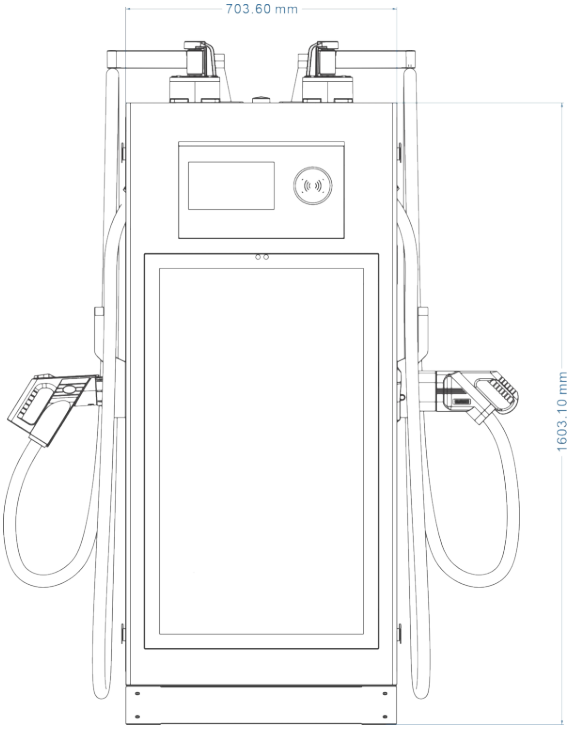
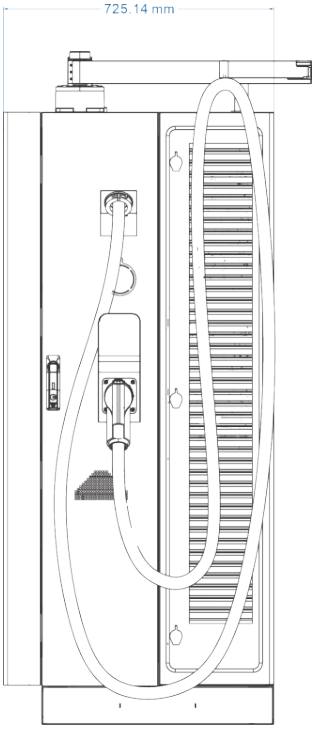
1 Specification

1.1 Product Specification

Model	ZECO120K	ZECO160K	ZECO180K	ZECO240K
Technical features				
Max Power	Up to 120KW	Up to 160KW	Up to 180KW	Up to 240KW
Input Voltage	400VAC±10%-50/60Hz-3phase(CCS2 and GB/T) 480VAC±10%-50/60Hz-3phase(CCS1+NACS)			
Power factor	≥0.98			
Efficiency	>95%			
Measuring accuracy	Level 0.5			
Output voltage range	CCS2 GB/T: 150~ 1000VDC			
Output current range	0-250A 0-300A(optional)	0-250A 0-300A(optional)	0-250A 0-300A(optional)	0-250A 0-300A(optional)
Communication	ISO15118 / DIN70121(between charger & vehicle) Ethernet/4G/OCPP 1.6J			
User interface	LCD 10.1 inch Touch Screen / 43inch LED Screen /RFID card and APP			
Versatility	EN/IEC 61851-1: 2019, EN/IEC 61851-23: 2014 ,UL 2202, UL2594			
Security design	Over/under voltage protection, overload protection, current leakage protection, grounding protection,lightening surge protection			
DC Plugs	Cable 5M			
Energy Meter	CE certified			
RCD	Type A			
Load balancing	Load balancing meter and CT(optional)			
Physical properties				
Warranty	3 years			
Cooling	Air cooled			
IP Level	IP55			
Sound noise	<70DB in all directions			
Operating temperature	-30℃ to +50℃			
Humidity	Max.95%(non-regulating)			
Dimensions	750*570* 1750mm			
Package Dimension	1300*640*1950(L*W*H)mm Wooden packing			

1.2 Dimmensions (Unit: mm)





2. Installation Instruction

2.1 Before Installation

- Read all the instructions before using and installing this product.
- Do not use this product if power cable or charging cable have any damage.
- Do not use this product if the enclosure or charging connector are broken or open or if there is damage.
- Do not put any tool, material, finger or other body part into the charging connector or EV connector.

Warning: The product should be installed only by a licensed contractor and/or licensed technician in accordance with all building codes, electrical codes and safety standards.

Warning: The product should be inspected by a qualified installer prior to initial use. Under no circumstances will compliance with the infor- mation in this manual relieve user of his/her responsibilities to comply with all applicable codes and safety standards.

- Power feed must be 3 Phase Wye configuration with TN (-S)/ IT/ TT grounding systems.
- In the installation of TN (-S) system: the neutral (N) and the PE of the power distribution are directly connected to the earth. The PE of the charger equipment is directly connected to the PE of power distribution and separate conductor for PE and neutral (N).
- In the installation of IT system: the neutral of the power distribution system is isolated from the earth. The PE of the charger equipment is isolated to the PE of power distribution to the earth.
- In the installation of TT system: the neutral (N) and the PE of the power distribution are directly connected to the earth. The PE of the charger equipment is isolated to the PE of power distribution to the earth.
- The capacity of power supply should be higher than 33.0kVA in order to function correctly.
- The product should be installed in free air area and keep at least 30cm clearance distance to all air vent of the product.
- Need sufficient space for product installation and maintenance, please keep not less than 60cm clearance distance from all around the product. he product should be installed in free air area and keep at least 30cm clearance distance to all air vent of the product.

2.2 Grounding and Safety Requirement

- The product must be connected to a grounded, metal, permanent wiring system. Connections shall comply with all applicable electrical codes.
- Ensure no power is connected at all times when installing, servicing, or maintaining the charger.
- Use appropriate protection when connecting to main power distribution network.
- Use appropriate tools for each task.

CAUTION: The disconnect switch for each ungrounded conductor of AC input shall be provided by installation contractor or technician.

CAUTION: A cord extension set or second cable assembly shall not be used in addition to the cable assembly for connection of the EV to the Global charge EV.

2.3 Service Wiring

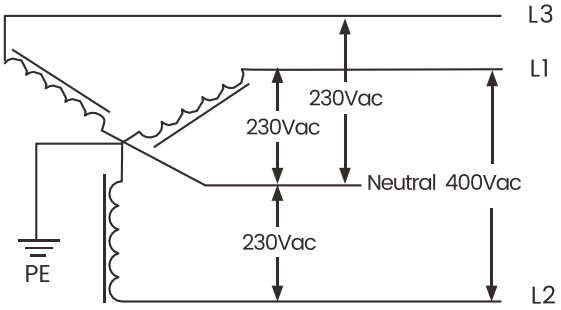
•Ground Connection

Always connect the Neutral at the service to Earth Ground. If ground is not provided by the electrical service then a grounding stake must be installed nearby. The grounding stake must be connected to the ground bar in the main breaker panel and Neutral connected to Ground at that point.

•400Vac(Line to Line) Three-Phase

CAUTION!

This is feed from Wye-connection power grid, the Wall Mount DC Fast Charger can connect to L1, L2 or L3, and Neutral. Earth ground must be connected to neutral at only one point, usually at the breaker panel.



400V Three-Phase Wiring Connection

DANGERS

Be Aware of High Voltage!

WARNING!

Earth Connection is Essential!

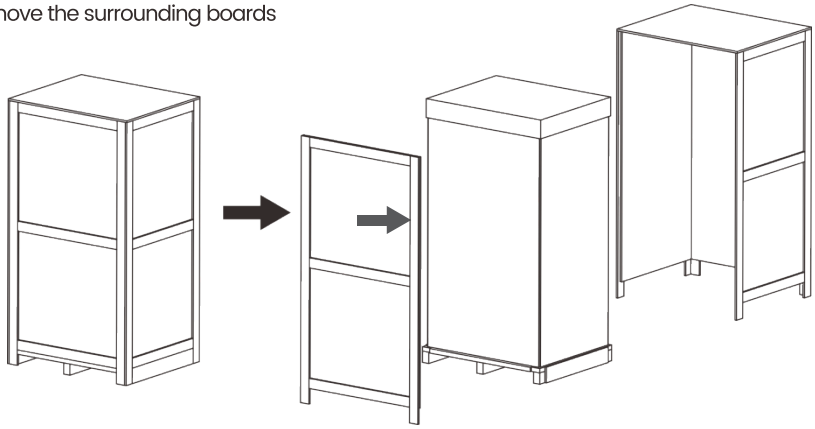
2.4 Unpack the charger

WARNING!

Charger weight might >350Kg!
Be careful during unpack process.

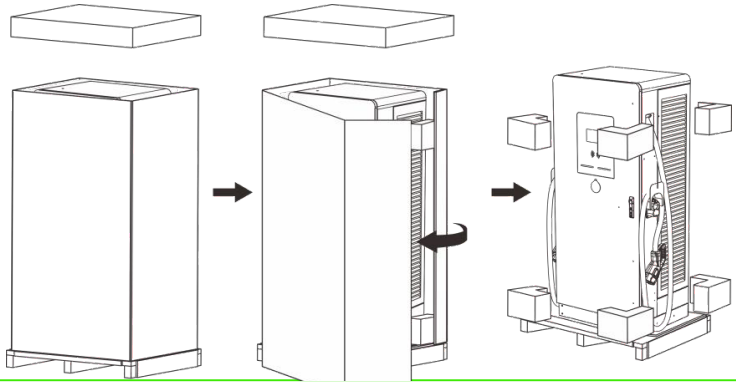
STEP 1.

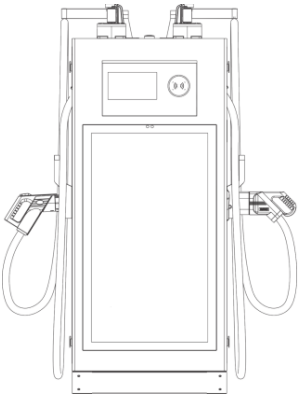
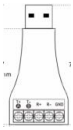
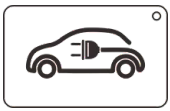
Remove the surrounding boards



STEP 2.

Remove the packaging film and the paper cover. Accessories are packed in a carton.



			
	User Manual (x1)	test tools (x1)	Expansion bolt (×4) M12*80mm
			
DC Charger	RFID CARD (x5)	Key (x6)	SD card(x1)

2.5 Recommended Tools for Installation and Inspection

2. 5. 1 Recommended Tools for Installation

Type	Description
Philips Screwdriver	No. 2 and 3
Shifting Wrench	8" (24mm)
Ball-Head Hex Key	2.5mm and 5mm
Socket Screwdriver	No. 8 ,10 and 17
Electrical Tape	Black / 15mm Width
AC Input Cable of 120KW	**100mm² Cable x 4 (L1,L2,L3,N,)+50 mm² PE**
AC Input Cable of 160KW	**120mm² Cable x 5 (L1,L2,L3,N)+50 mm² PE**
AC Input Cable of 180KW	**150mm² Cable x 5 (L1,L2,L3,N)+70 mm² PE**
AC Input Cable of 240KW	**185mm² Cable x 5 (L1,L2,L3,N)+70 mm² PE**
Crimping Pliers for Ring Terminal	Applied for 100- 185mm²
Machine Drill	
Wire Cutters	
Level Ruler	

2. 5. 2 Recommended Tools for Inspection & Commissioning

Type	Description
EV or EV Simulator	Meet CCS/GBT standard
Multiple Meter	1000V
Current Probe	600Amp
RFID Authorized Card	
RFID No Valid Card	
Door Key	
Needle-Nose Plier	
Laptop or PC & CAT6 cable	For Charger Configuration

2.6 Installation Procedure

STEP 1.

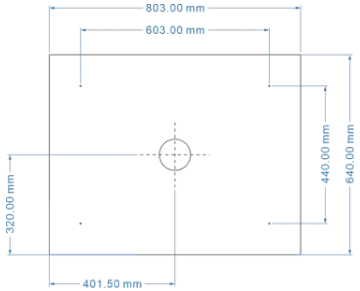
1.Build 1090mm x 750mm x 200mm (42.91" x 29.53" x 7.87") concrete base on the level to stand charger in advance.

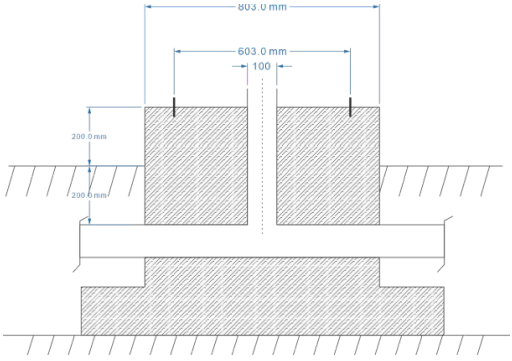
2. Implant AC input cable conduit less than Φ102mm(eg.4" PVC conduit),and SFTP Ethernet cable conduit less than Φ34mm (eg. 1 1/4" PVC conduit).

3. And implant 4 pcs of M12 screw stick out the concrete base for 40 mm (1.57") to fix the charger. The positioning of these 4 pcs of M12 screws should be within ± 2 mm (0.08") in short axis, ± 8 mm (0.32") in long axis according to screw holes of charger.

4. To fit this positioning requirement, a steel plate fixture be suggested. Please create the fixture by the following drawing or order this fixture from your vendor.

5. The other way to fix the charger on concrete base is install 2 of L-brackets accessories outside of charger and drill the screw holes (Φ16 mm (0.63")) on the cement base as drawing below.





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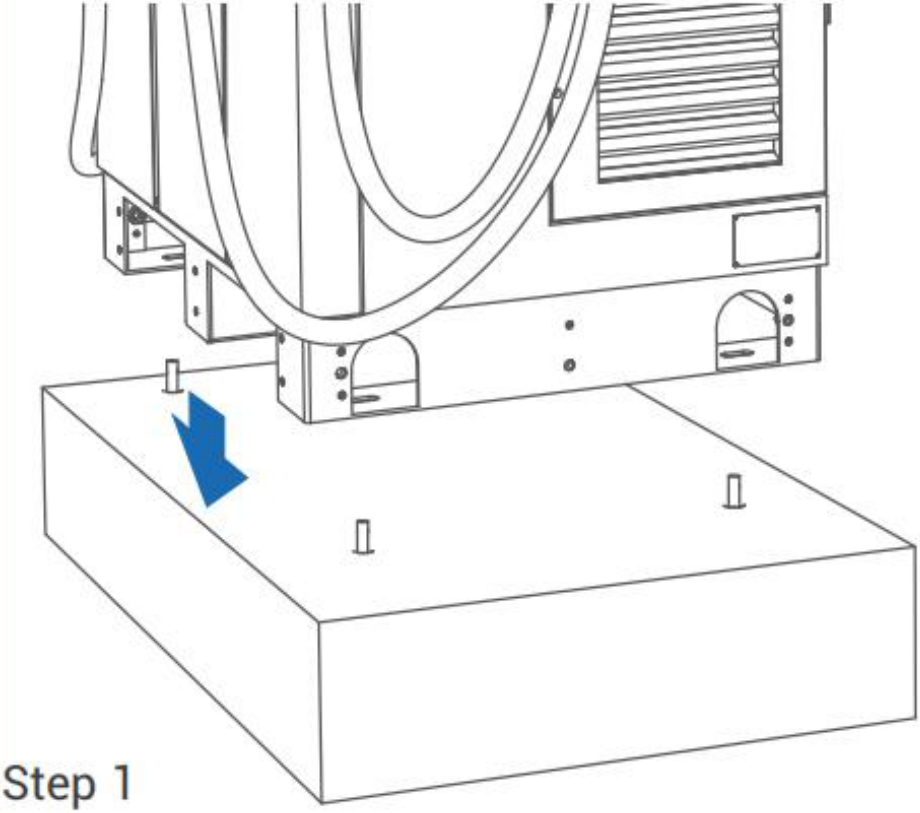
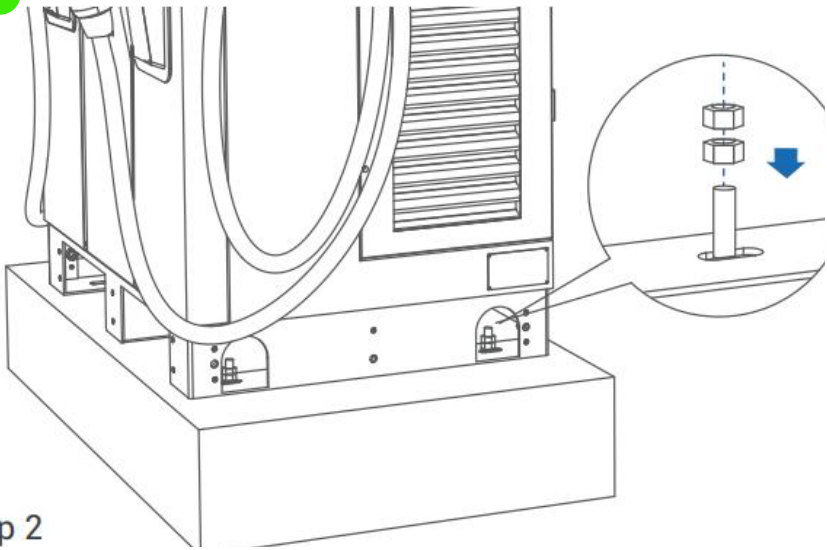
STEP 2.

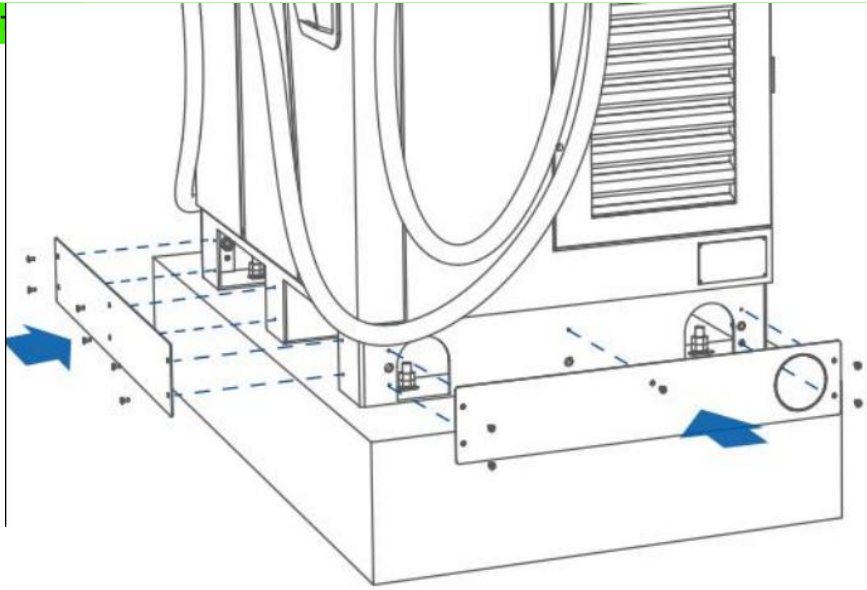
1. Lift the charger on concrete base, pull the input cable through bottom hole of charger; fasten 8 pcs of M12 screw nuts and 4 pcs M12 washers on 4 pcs of M12 screw of concrete base (2 nuts for each screw) to secure the chargers. Then fix the base cover (in the accessory pack) in charger base.



STEP 3.



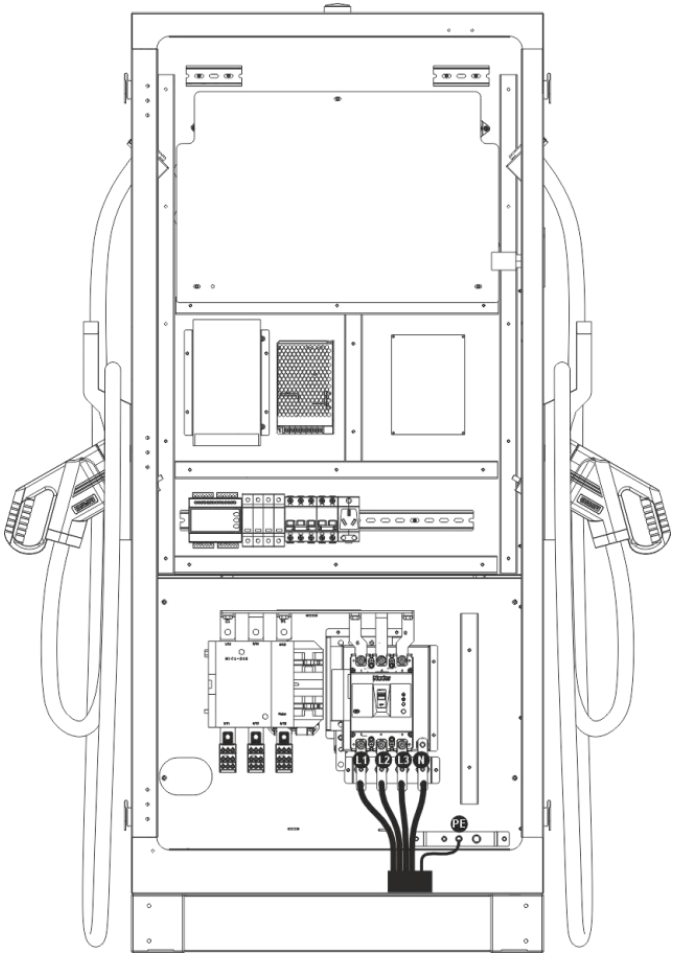
Step 2



Installing the AC Input Connect

STEP 5.

Connect L1, L2, L3 and N of AC power to 4P terminal. Fasten each wire with proper screw and torque number- 120Kgf.cm/5-15 secs. Connect the PE wire (green with yellow) to Grounding position of Charger and torque number- 220Kgf.cm. Keep proper length of each wires then fasten cable grand.



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2. 7 Installation Inspection & Commissioning

2. 7. 1 Environmental Check

Item	Status	Remark
Ambient Temperature		
Ambient Humidity		
Sunshade		Recommended but not required.
Rain Canopy		Recommended but not required.
Air Circulation / Drafty		
Dust Level		
Anti-Vandalism Measures		

2. 7. 2 External Infrastructure Readiness & Check

Item	Status	Remark
Input Wirings & Terminals		Type/ Length/ Cross Section
Key & Lock of Cabinet Door		
Fixing Screws		Type / No
No Fuse Breaker (NFB)		Notice: Current rating of NFB shall be higher than 63 Amp
Residual Current Device (RCD)		Notice: Maximum RCD residual current shall not excess 30mA
Input Electricity Capacity		
Input Electricity Configuration		Wye
Grounding Resistance		<50Ω
Grounding System		
Input Voltage & Frequency		
Network Connection & Quality		LAN/ Wi-Fi/4G

2. 7. 3 Global charge EV Check – Static (Non-Powered)

Item	Status	Remark
Outlook		
Labeling & Warning Signs		
Package (Accessory) List		
Robustness of Input Wirings		

2. 7. 4 Global charge EV Check - Power On

Item	Status	Remark
Screen On		
Acoustic Noise		
Screen Display & Function		
Time Display Correctly		
Network Connection Quality		
Cooling Fans Operation & Noise		
Led Status Indication		
Global charge EV Setting		
Function of Engineer Mode		
Version of H.W. & F.W.		
Remote Control & Monitoring		
Backend Server Connection		

2. 7. 5 Global charge EV Check - Charging

Item	Status	Remark
User Authorization –RFID		
User Authorization –QR Code		
User Authorization –Others.		
Waiting Time of Connection Check		
Reading of Each Display Item		
Full Charge Test		
Function of Electronic Lock		
Reading of Engineer Mode		
Airflow & Noise of Cooling Fan		
Charging Record (log) Upload		
Remote Control & Monitoring		

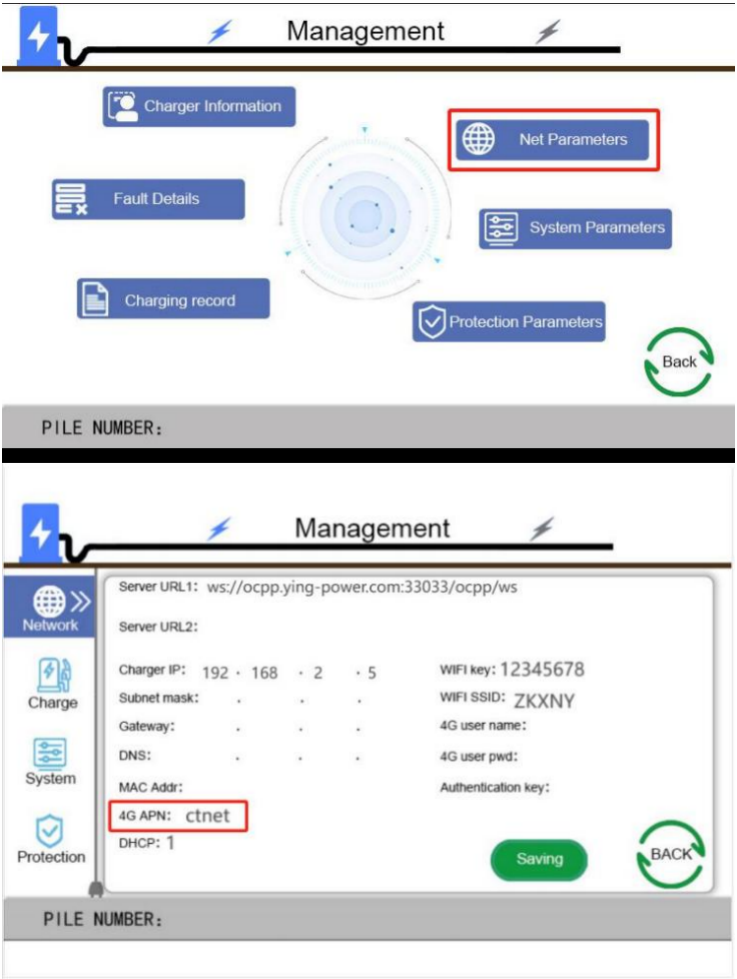
2. 7. 6 Global charge EV Check –System Power Button

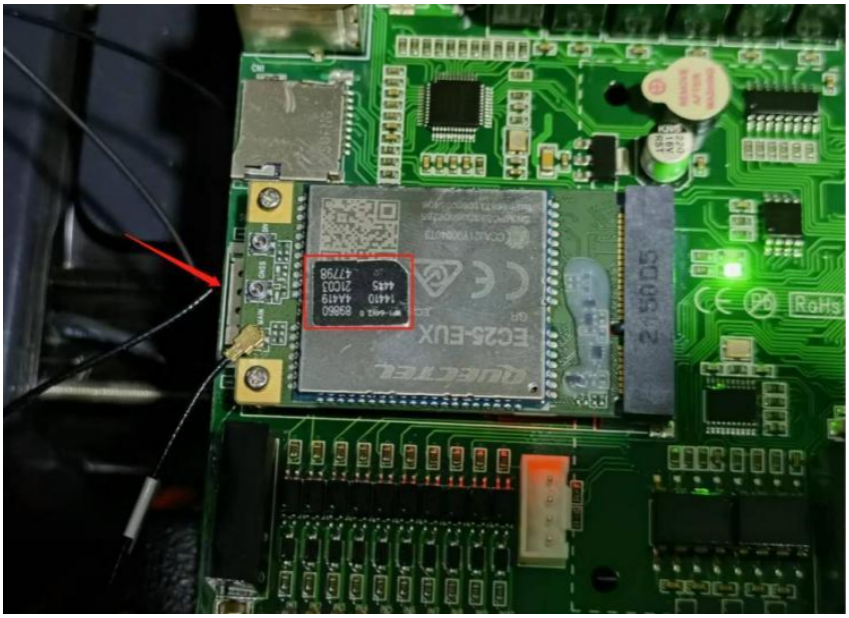
Item	Status	Remark
Emergency Stop Button		

3. Network Setting

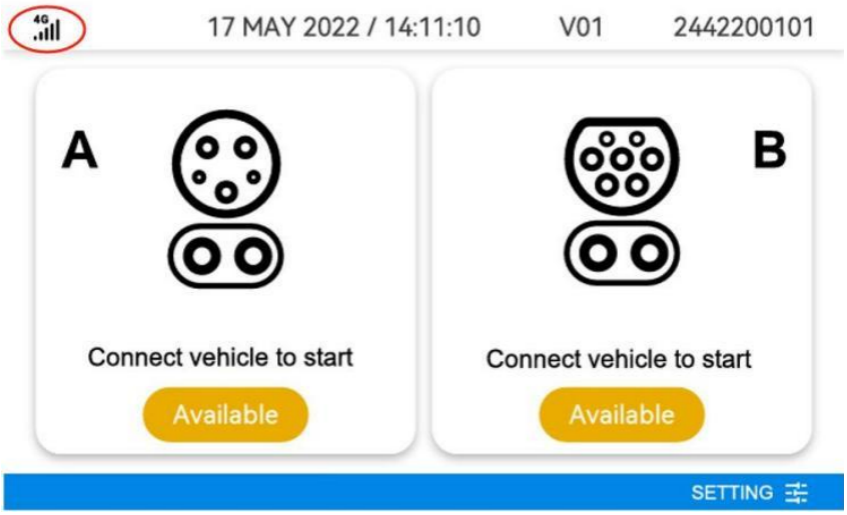
3.1 4G Network Setting

On the Network Parameters page, set URL and the 4G card APN and save the settings （If the 4G card you purchased has an APN username and password, please enter the corresponding username and password）. Then, power off the device, insert the 4G card into the motherboard slot, and replace the 4G module. And power on device.





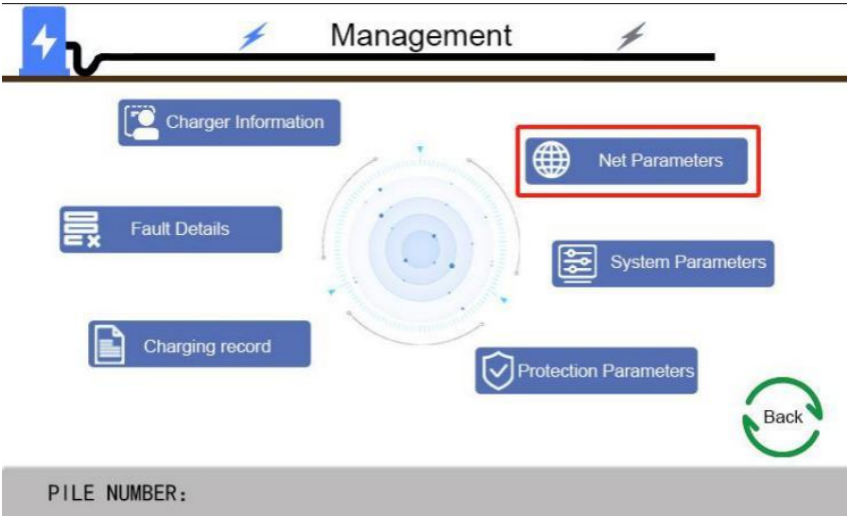
Replace 4G module

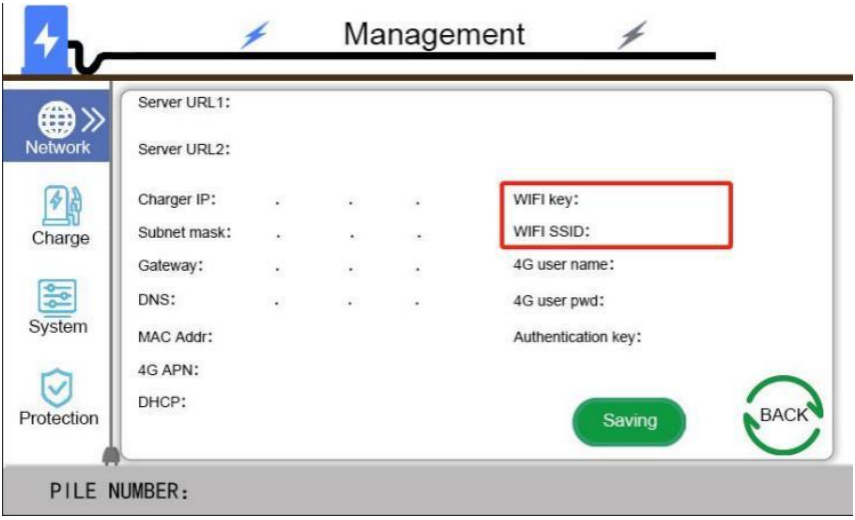


If the network is working, the 4G signal icon will be displayed

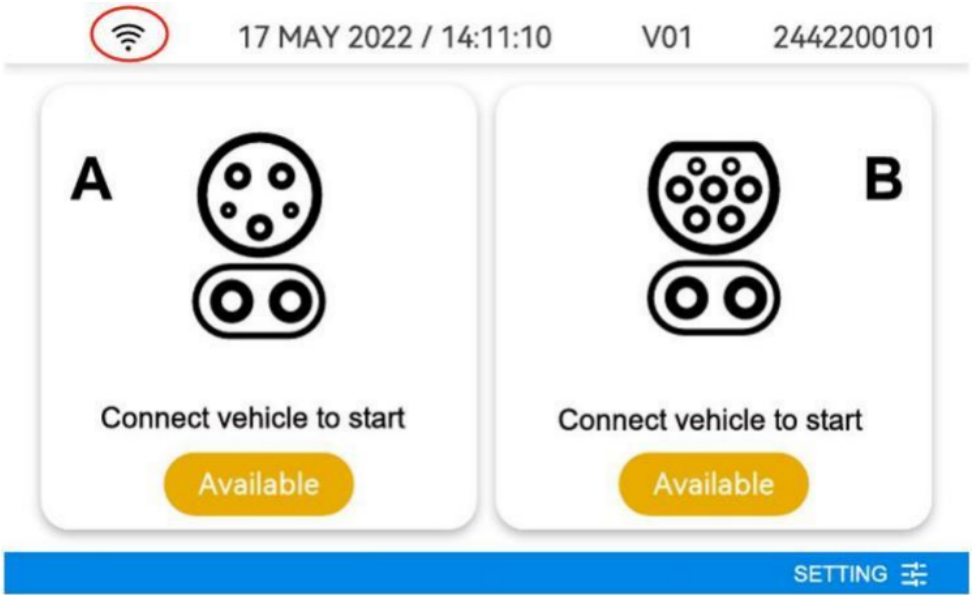
3.2 Wi-Fi Network Setting

On the charging station display screen, start searching for the Settings - Network Parameters page on the homepage, set URL and the WiFi SSID and WiFi KEY, then replace the WiFi module internally and restart the charging station:





Replace WiFi module



If the network is working, the WIFI signal icon will be displayed

3.3 Ethernet DHCP Network Setting

On the Network Parameters page, setURL and the DHCP type to 1. Connect a network cable from the router to the RJ45 port on the motherboard, then restart the charging station.

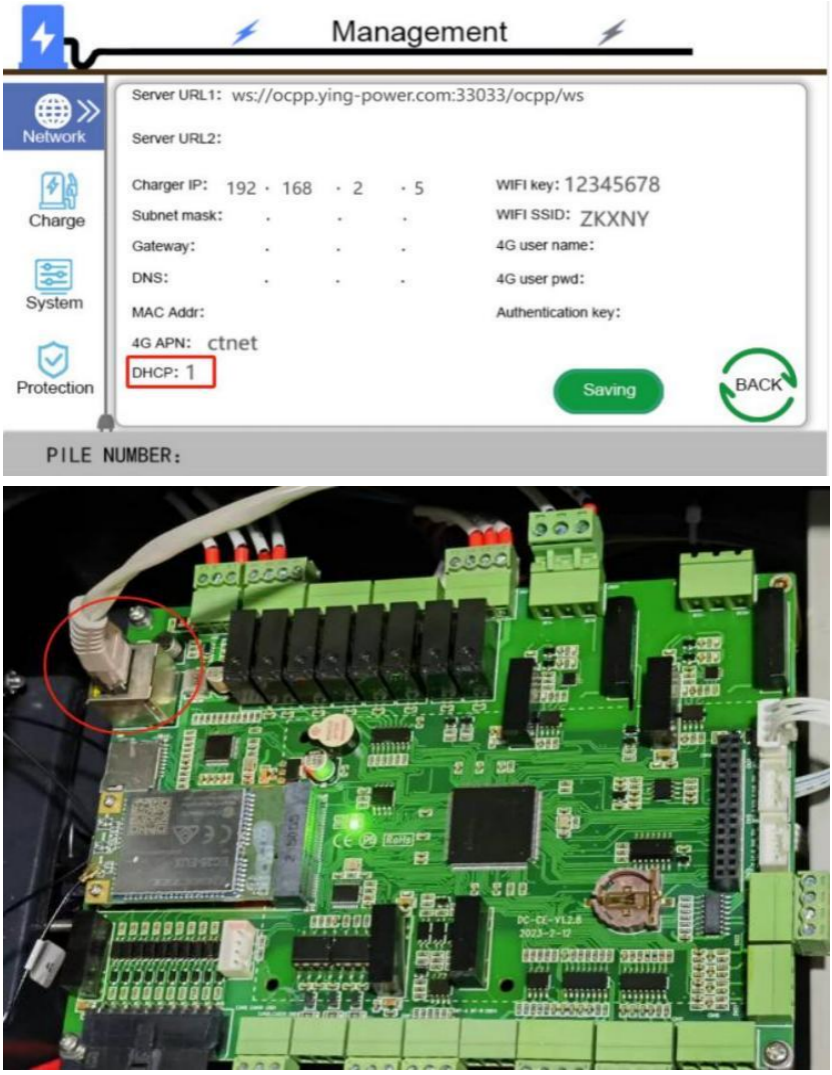
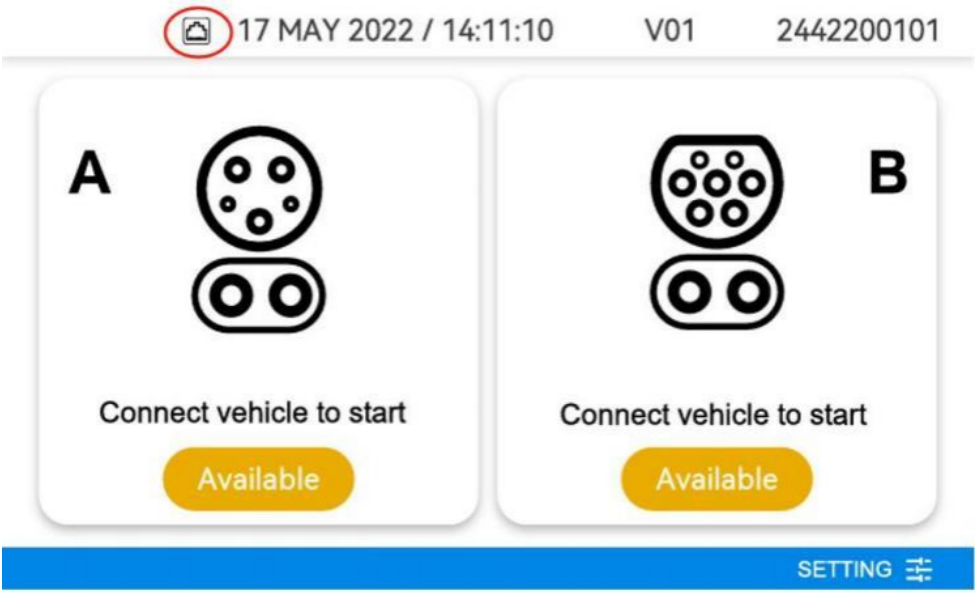


Fig. 1-1 Display of icons and instructions



If the network is working, the Wlan signal icon will be displayed

4. Operation Process

4. 1 RGB LED indicators

Charger status	LED performance
Standby	green blink
plug in	yellow
swipe/punch a card	yellow
charging	Light green breath
Fault status	Red flashing

4.2 LCD indicators

the EMN series config a 7-inch LCD screen, which is mainly used to display various status information of the charging station.

- **Icons or instructions in each display area**

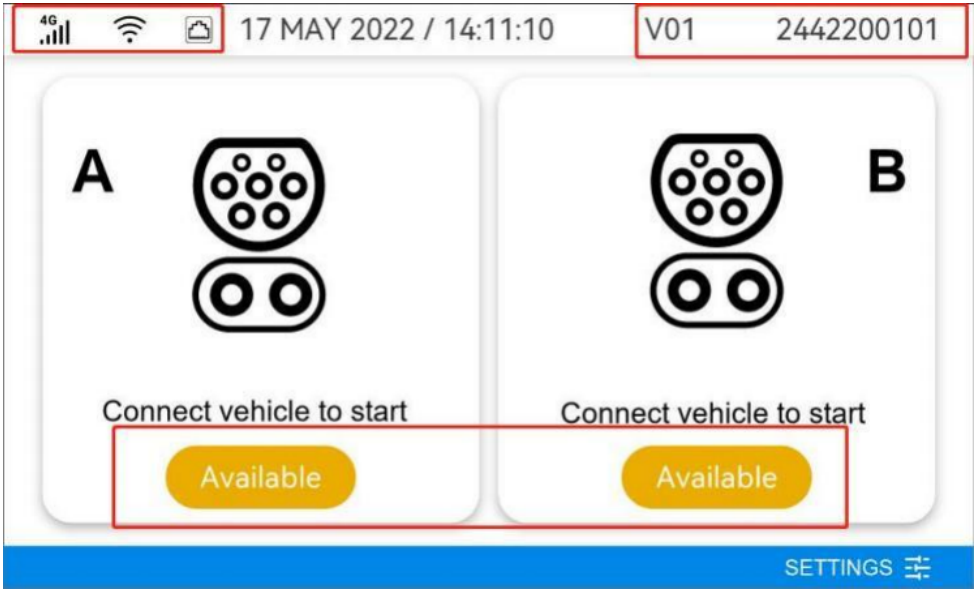


Fig. 1-2 Display of icons and instructions

In Fig. 1-2, there are three areas to display icons or instructions, with the specific meanings as follows:

No.	Icon	Description
Area①		
1		Connected a network through 4G cellular
2		Connected a network through WIFI
3		Connected a network through Ethernet
Area②		
4	Version	Software version
5	SN	Serial number of Global charge EV
Area③		
5	status	Global charge EV status information
Area④		
6	Settings	Set charging station parameters

• As shown in Fig. 1-3, 1-4, 1-5, 1-6, the LCD screen displays 4 types picture in normal state.

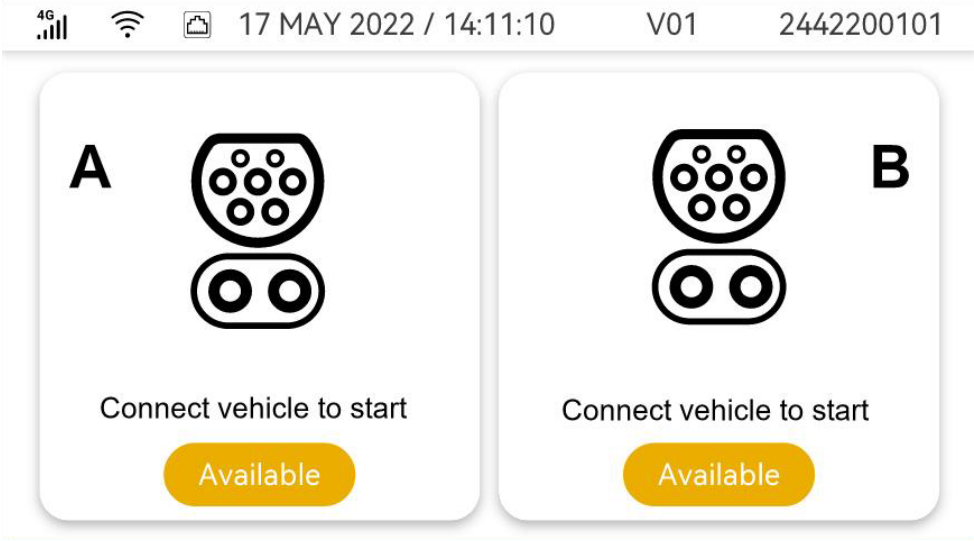


Fig. 6-3 Display of Preparing

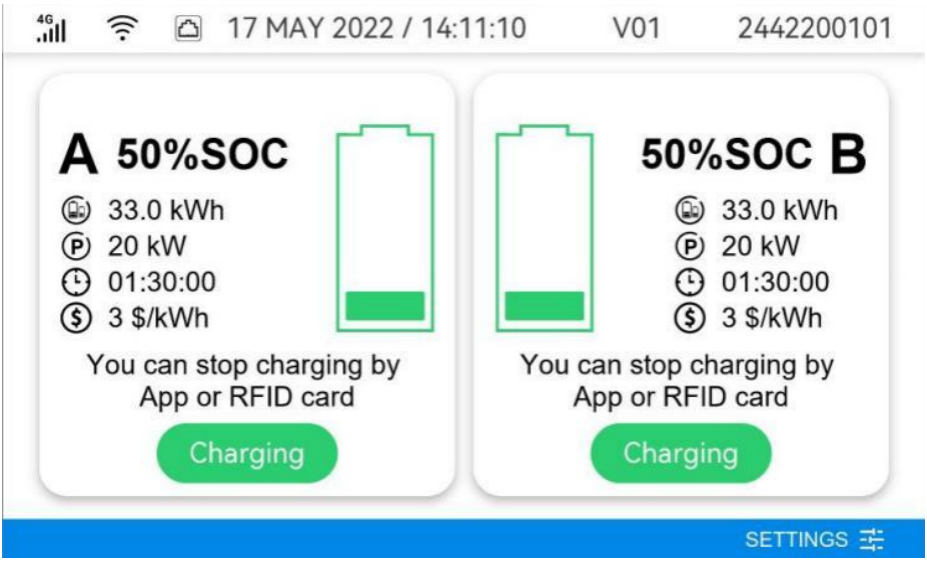


Fig. 6-4 Display of Charging

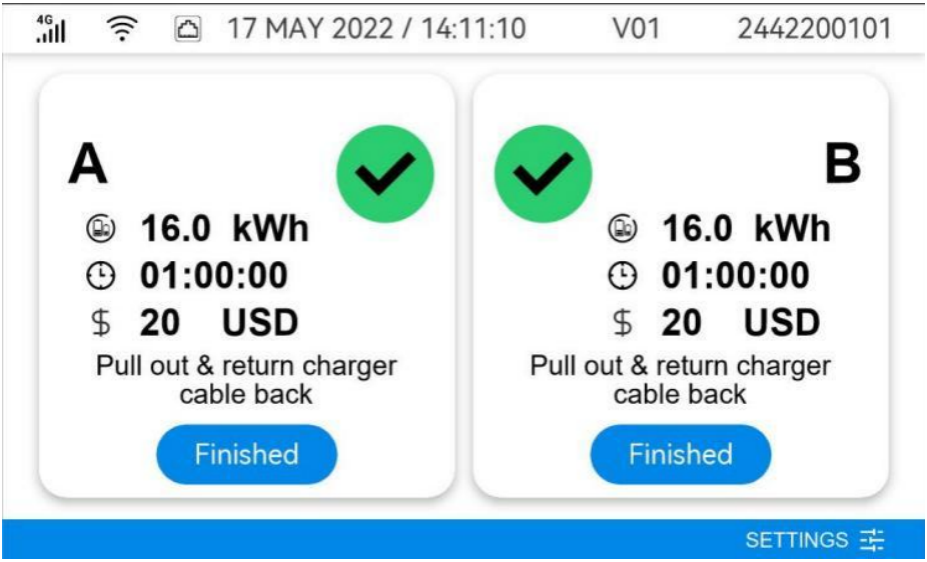


Fig. 6-5 Display of Finished

- Click the settings icon three times to enter the settings interface, the picture displayed on the LCD screen is shown in Fig. 6-6.
- Enter password: 1234

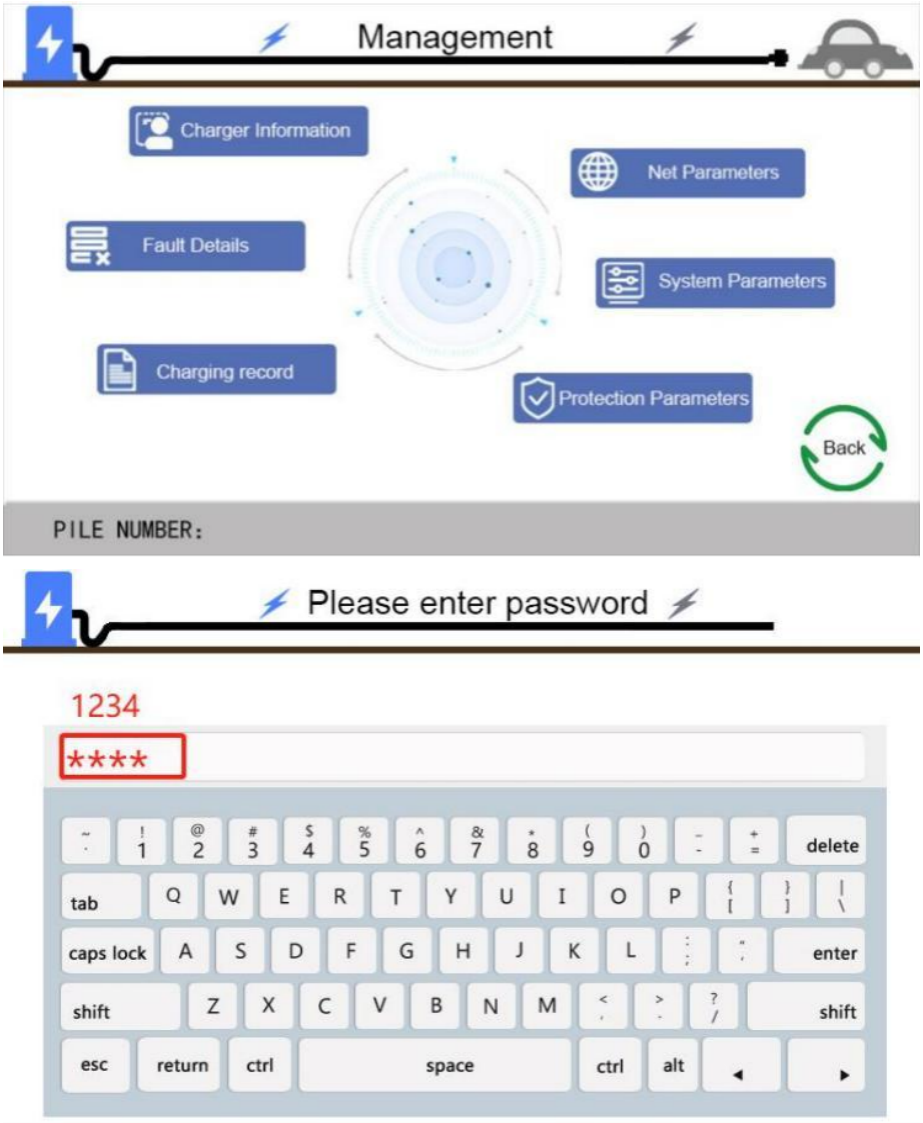


Fig. 6-6 Display of Management

• If the charging process fails or the equipment fails, the picture displayed
• on the LCD screen is shown in Fig. 6-7.

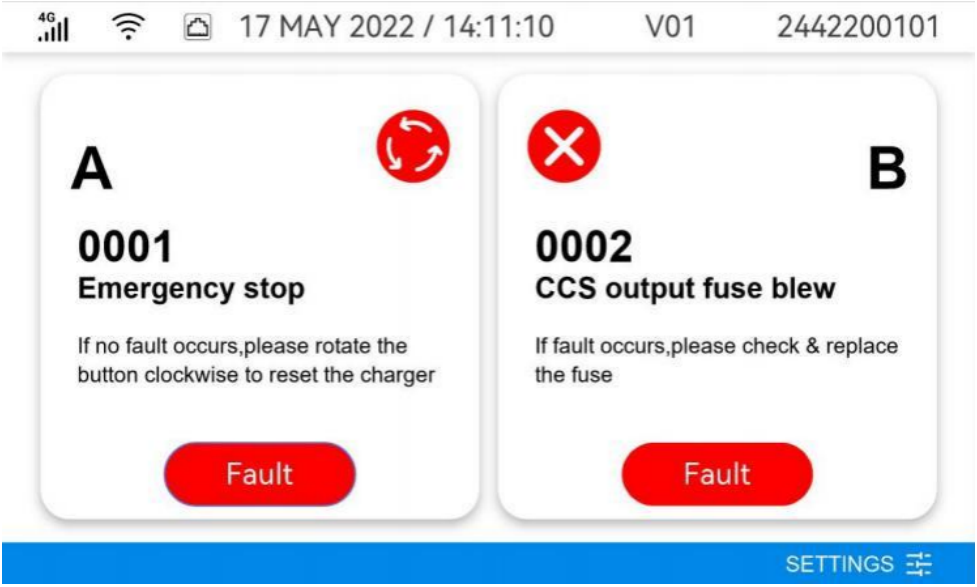


Fig. 6-7Display of fault state

4.3 Troubleshooting

• Please follow the instruction in the table when errors occur during the charging process.
• Or please contact the DC Quick Charger provider for further instructions.
• If an emergency occurs push the Emergency Stop Button to stop charging imme- diately.

4.4 Status Codes

For latest status code, please visit our website.

Status Code	Description	Solution
0001	Emergency stop	If no fault occurs, please rotate the button clockwise to reset the charger.
0002	CCS output fuse blew	If fault occurs, please check & replace the fuse.
0003	AC input contactor 1 welding	If fault occurs, please check & replace the contactor.
0004	CCS output relay welding	If fault occurs, please check & replace the Relay.
0005	CCS connector temperature sensor broken	If fault occurs, please check & replace the sensor.
0006	Relay control module /smart box broken	If fault occurs, please check & replace the Relay control module.
0007	CCS Power module fault	If fault occurs, please replace the CCS Power module.
0008	Maximum Output Current setup error	If fault occurs, please reset the correct value.
0009	Maximum Output Voltage setup error	If fault occurs, please reset the correct value.
0010	BLE module broken	If fault occurs, please replace the BLE module.
0011	4G module broken	If fault occurs, please replace the 4G module.
0012	Ethernet BLE module broken	If fault occurs, please replace the Ethernet BLE.
0013	wifi module broken	If fault occurs, please replace the wifi module.
0014	CCS connector OTP	If fault occurs, please check & reset the OTP value.
0015	SPD trip	If fault occurs, please replace the SPD Module.
0016	CCS ground fault detection timeout (GFD)	If fault occurs, please check the Ground line.
0017	RFID module communication fail	If fault occurs, please check Communication line with RFID.
0018	Power module communication fail	If fault occurs, please check can line with power module.
0019	Door open	If fault occurs, please closed the door & recharge with vehicle.
0020	System fan decay	If fault occurs,please replace the fan.
0021	AC Ground Fault	If fault occurs, please check the Ground line.
0022	CCS EV communication Fail	If fault occurs, please check Connecting wire with vehicle.

4.4 Status Codes

For latest status code, please visit our website.

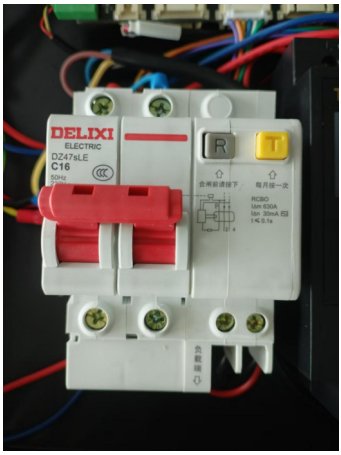
Status Code	Description	Solution
0001	Emergency stop	If no fault occurs, please rotate the button clockwise to reset the charger.
0002	CCS output fuse blew	If fault occurs, please check & replace the fuse.
0003	AC input contactor 1 welding	If fault occurs, please check & replace the contactor.
0004	CCS output relay welding	If fault occurs, please check & replace the Relay.
0005	CCS connector temperature sensor broken	If fault occurs, please check & replace the sensor.
0006	Relay control module /smart box broken	If fault occurs, please check & replace the Relay control module.
0007	CCS Power module fault	If fault occurs, please replace the CCS Power module.
0008	Maximum Output Current setup error	If fault occurs, please reset the correct value.
0009	Maximum Output Voltage setup error	If fault occurs, please reset the correct value.
0010	BLE module broken	If fault occurs, please replace the BLE module.
0011	4G module broken	If fault occurs, please replace the 4G module.
0012	Ethernet BLE module broken	If fault occurs, please replace the Ethernet BLE.
0013	wifi module broken	If fault occurs, please replace the wifi module.
0014	CCS connector OTP	If fault occurs, please check & reset the OTP value.
0015	SPD trip	If fault occurs, please replace the SPD Module.
0016	CCS ground fault detection timeout (GFD)	If fault occurs, please check the Ground line.
0017	RFID module communication fail	If fault occurs, please check Communication line with RFID.
0018	Power module communication fail	If fault occurs, please check can line with power module.
0019	Door open	If fault occurs, please closed the door & recharge with vehicle.
0020	System fan decay	If fault occurs,please replace the fan.
0021	AC Ground Fault	If fault occurs, please check the Ground line.
0022	CCS EV communication Fail	If fault occurs, please check Connecting wire with vehicle.

5. Advertising machine settings

5.1 Power on and scheduled power on/off settings

- **Power on**

Connect the power supply, push the circuit breaker upwards, and the device will automatically power on.



- **Scheduled Power On/Off**

1) The ZYT16 timer has three setting modes: On, Auto, Off. Scheduled power on/off corresponds to the Auto mode.

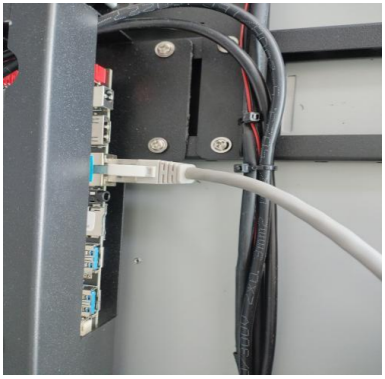
2) Before any setting action, press the Cancel/Restore button four times continuously to cancel the timer lock, then switch between On, Auto, and Off states.

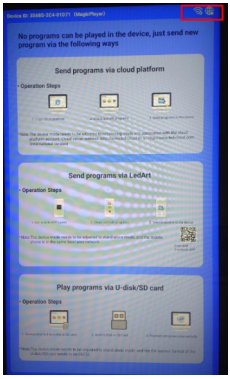
3) Setting Scheduled Power On/Off:
First press the Timer button, then press the Hour and Minute buttons to set the power on/off times. This timer supports up to 16 on/off settings. After setting the time periods, press the Clock button to return to the clock interface. Press the Auto/Manual button to switch to Auto mode. The device will power on. If there is no operation within 10 seconds, the timer will return to the locked state.

5.2 Advertising machine network setting

- **Wired Network Connection**

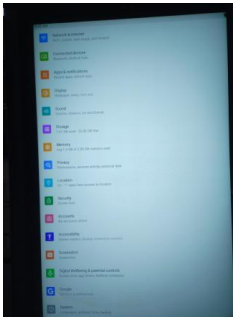
The advertising machine's motherboard interface is located at the center of the right side at the back of the display. Simply plug the network cable into the port. No additional settings are required for the motherboard, as it will automatically obtain the network configuration. Once the connection is successful, the network icon will appear in the top-right corner of the screen.

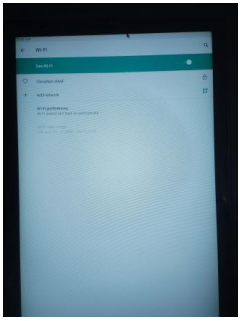


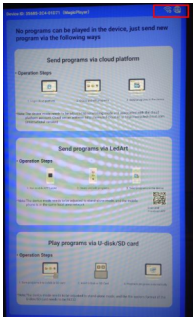


- **Wireless Network Connection**

Exit to the Android system interface, then click on Settings > Network > Wi-Fi to connect to a wireless network. After the connection is complete, the network icon will appear in the top-right corner of the screen.

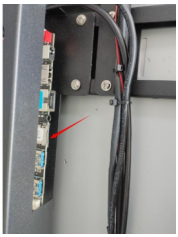






- **4G Network Connection**

1) In the powered-off state, first insert the SIM card into the motherboard.

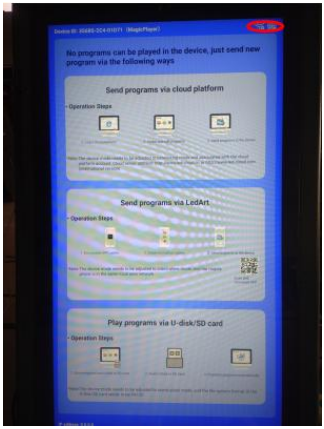


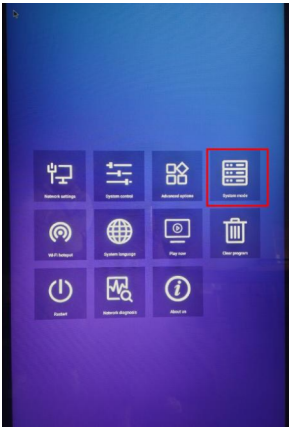
2) After powering on, exit to the Android system interface, then click on Settings > 4G Network > enter the APN node. Once the connection is complete, the 4G network icon will appear in the top-right corner of the screen.

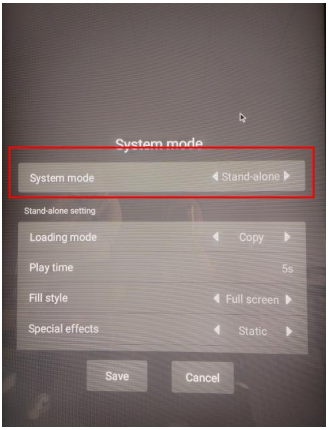
5.3 Three Playback Modes

Information Release Software Supports Three Playback Modes: Standalone Mode, Networking Mode, and Local Area Network (LAN) Mode.

Launch Magic Player, move the mouse cursor to the network icon at the top-right corner of the screen. Click the left mouse button 3 times in succession to open the player settings menu. Then select System mode, and choose the playback mode you want to use.

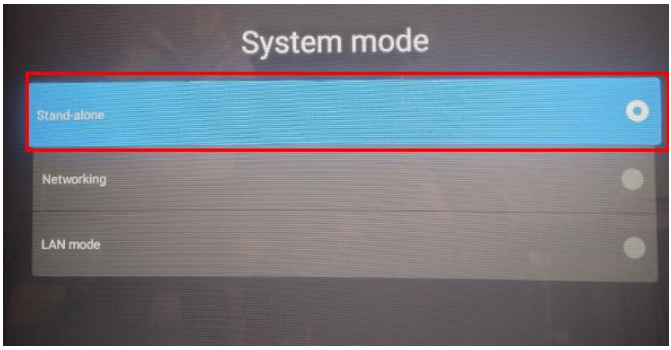


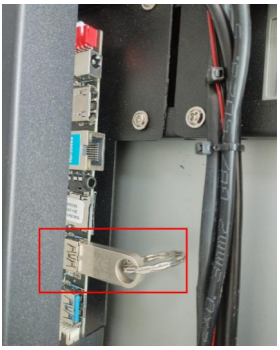




1) Standalone Mode:

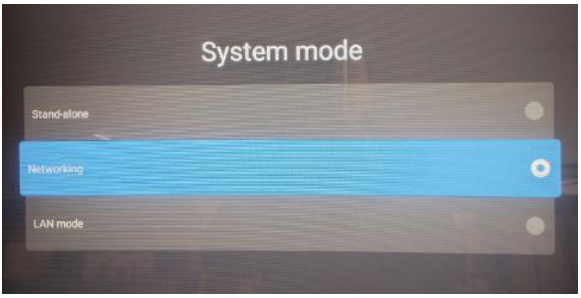
The player is set to Standalone Mode by default. In this mode, copy the materials to the root directory of the USB drive, then insert the USB drive into the motherboard's USB port. The player will automatically recognize the drive, copy the files to the local folder, and play the corresponding content.

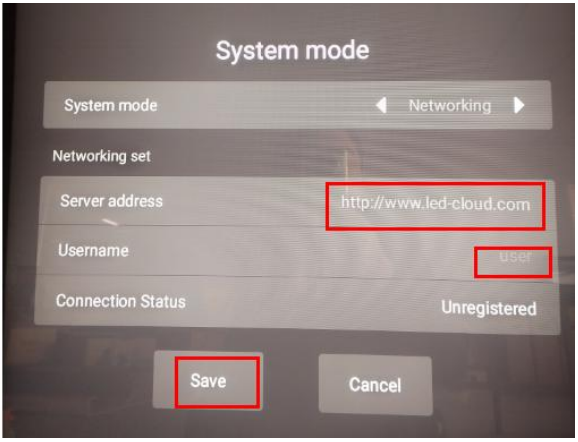




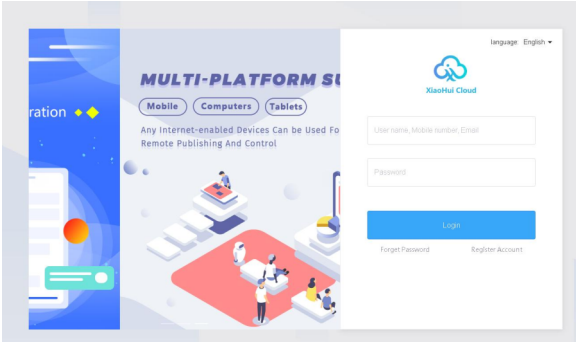
2) Networking Mode:

Select Network Mode. After the device is connected to the internet, you can use a cloud server to publish playback content to the device. The default server address remains unchanged. Enter the registered username and save the settings. After logging into the server, the device will be assigned to this account.



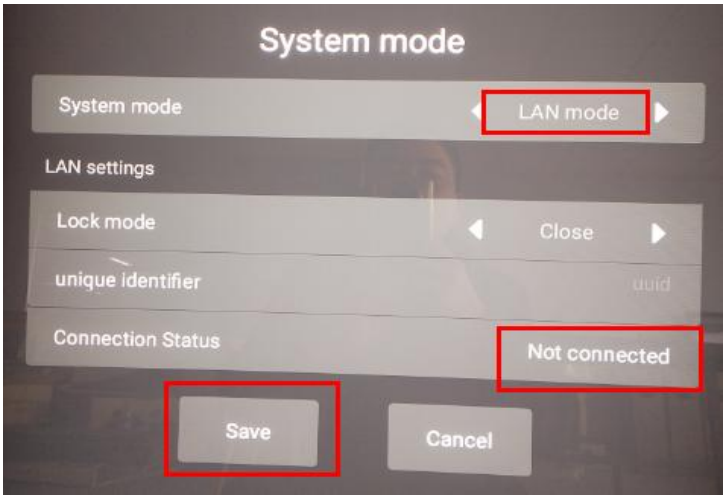


Server login address: www.led-cloud.com

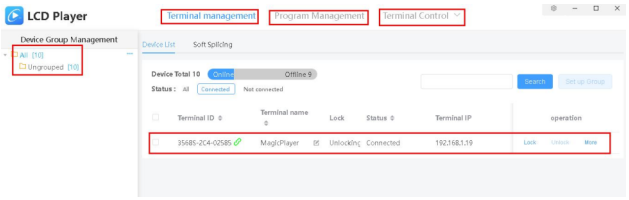


3) LAN Mode:

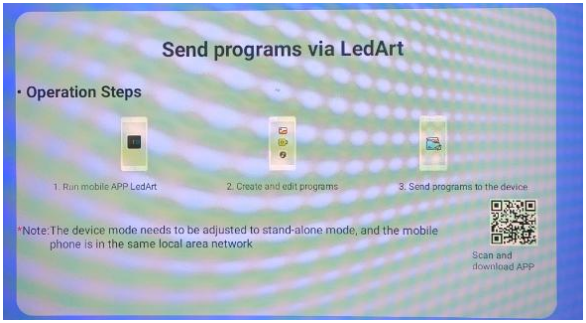
In this mode, as long as the device is connected to either a wireless or wired network,launching the Screen Control APP or LCD Player software will cause the system to automatically search for all devices within the same network.

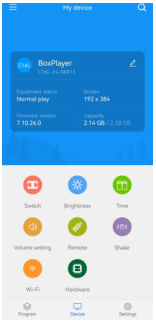


PC-side LCD Player software, as shown in the image below.



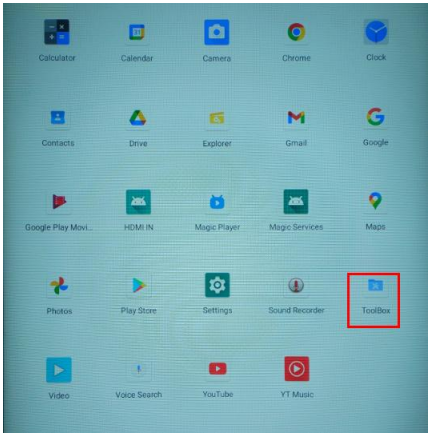
Mobile-side Screen Control APP software: Please scan the QR code in the center of the screen to download the Screen Control APP software, as shown in the image below.

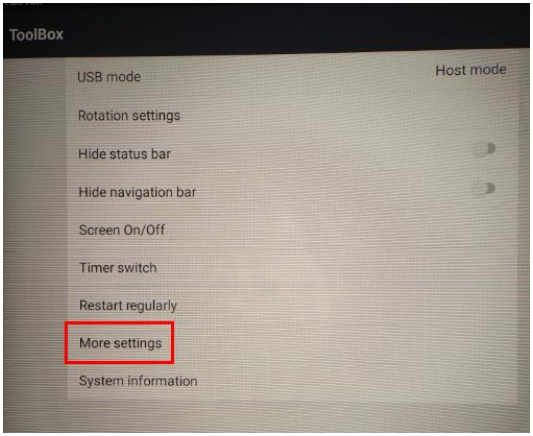


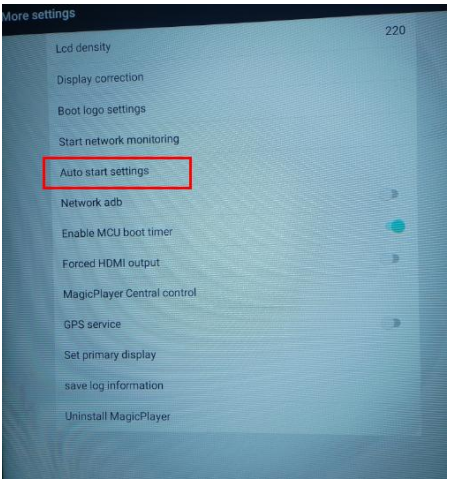


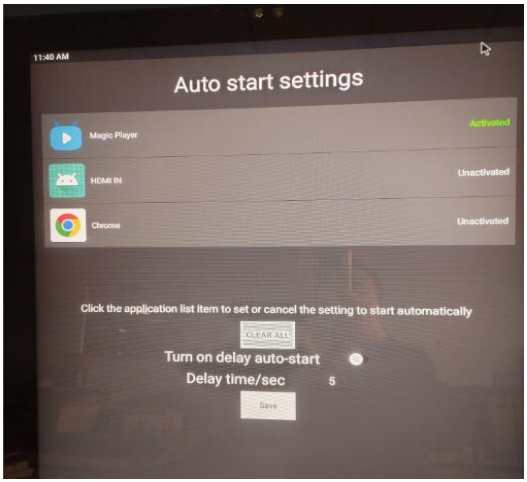
5.4 Terminal Device Player Startup Settings

After powering on the device, the terminal device will automatically power on, and the Magic Player will start by default. In the ToolBox, you can configure the option to enable/disable the automatic startup of the player.







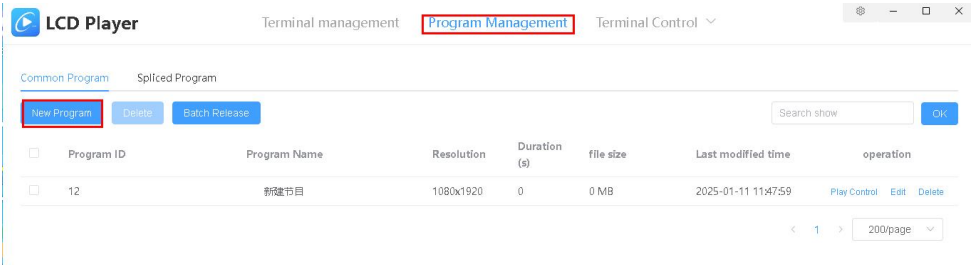


5.5 Program Production and Publishing

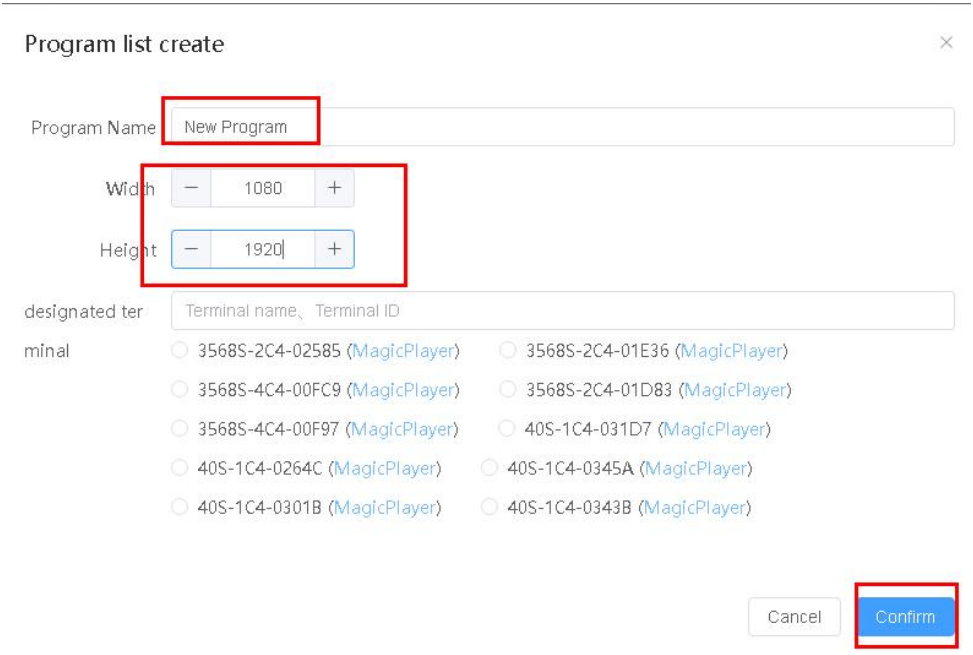
- **LCD Player Program Production:**

First, select the program production menu, then follow these steps: choose New Program, set the Resolution, select the Device Playback Content Category, choose the Materials, save the program, and finally publish the program. A special reminder: when producing a program, the resolution must match the screen resolution; otherwise, the corresponding device cannot be found when publishing.

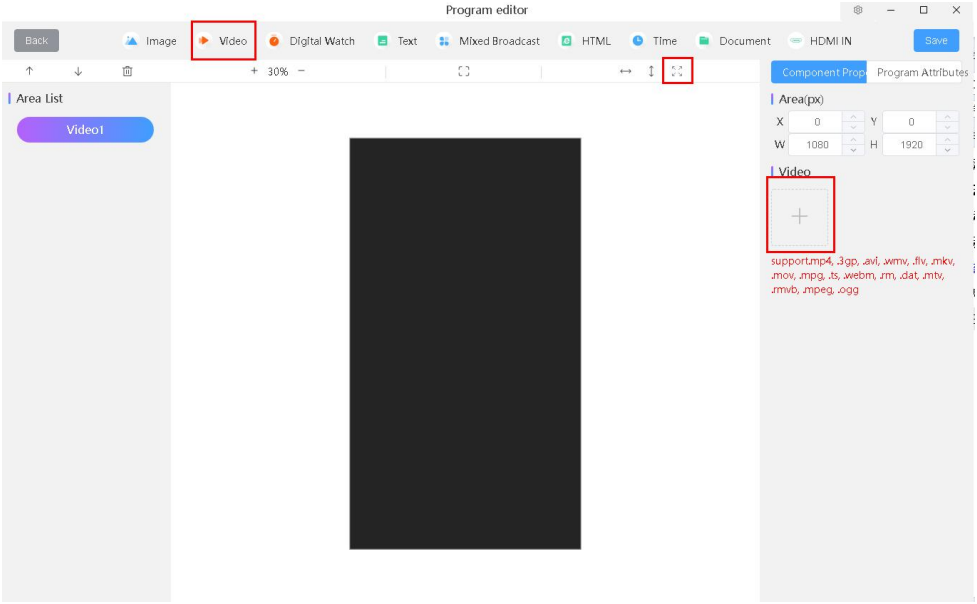
Step 1: Create a new program.

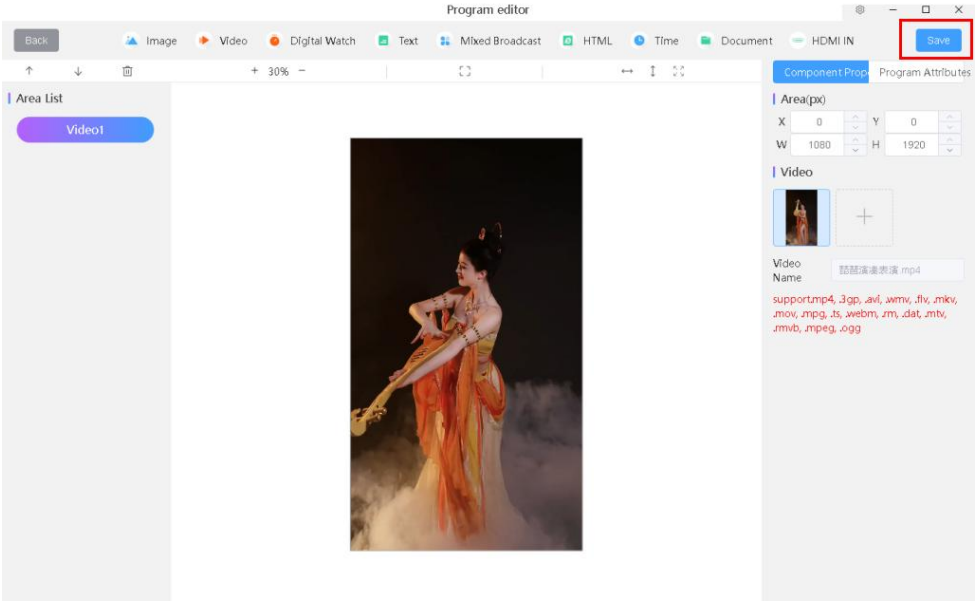


Step 2: Set the Resolution, Program Name, and select the associated Terminal ID.



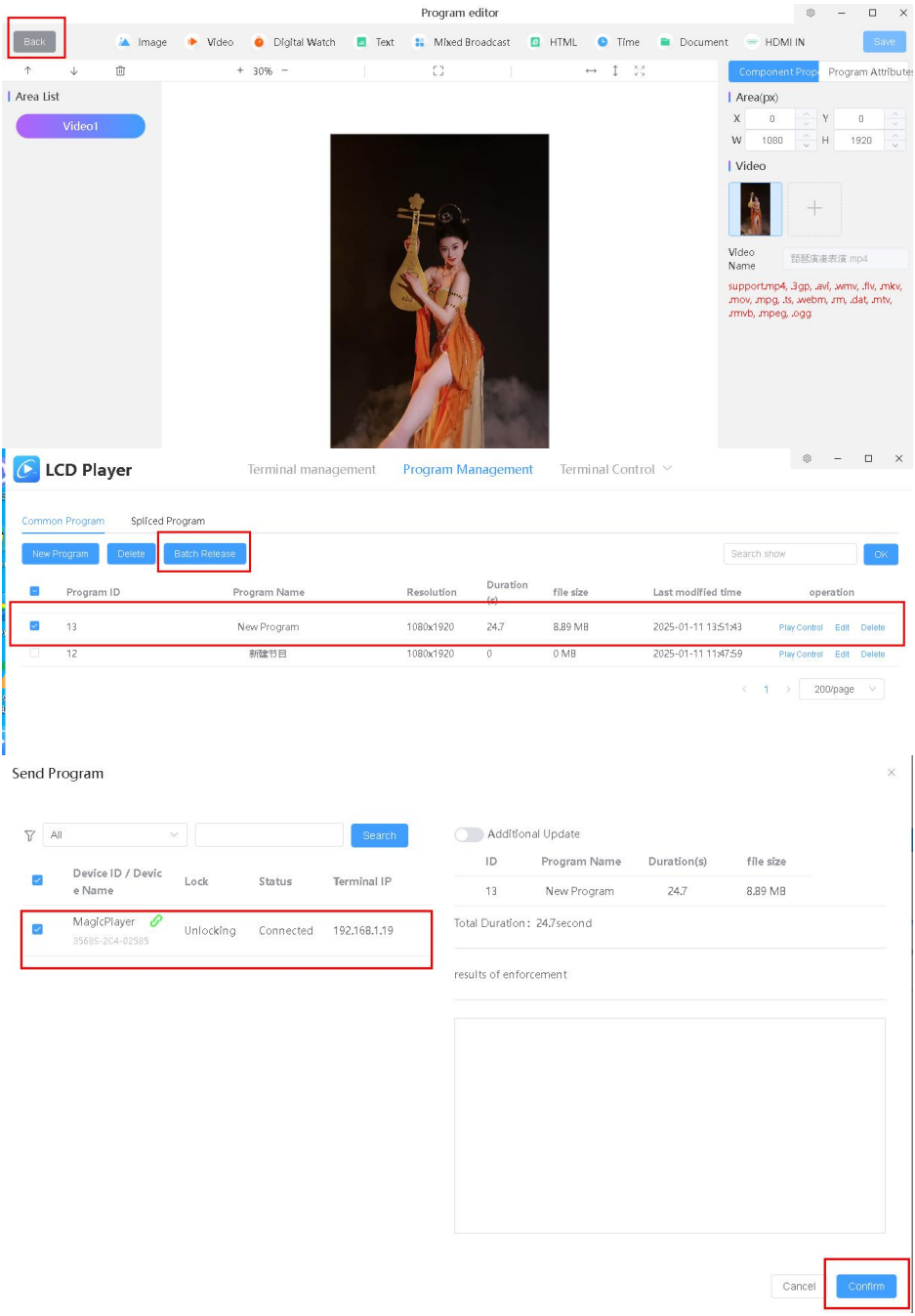
Step 3: Select the Device Playback Content Category, choose the Materials, set the Size,and save the program.



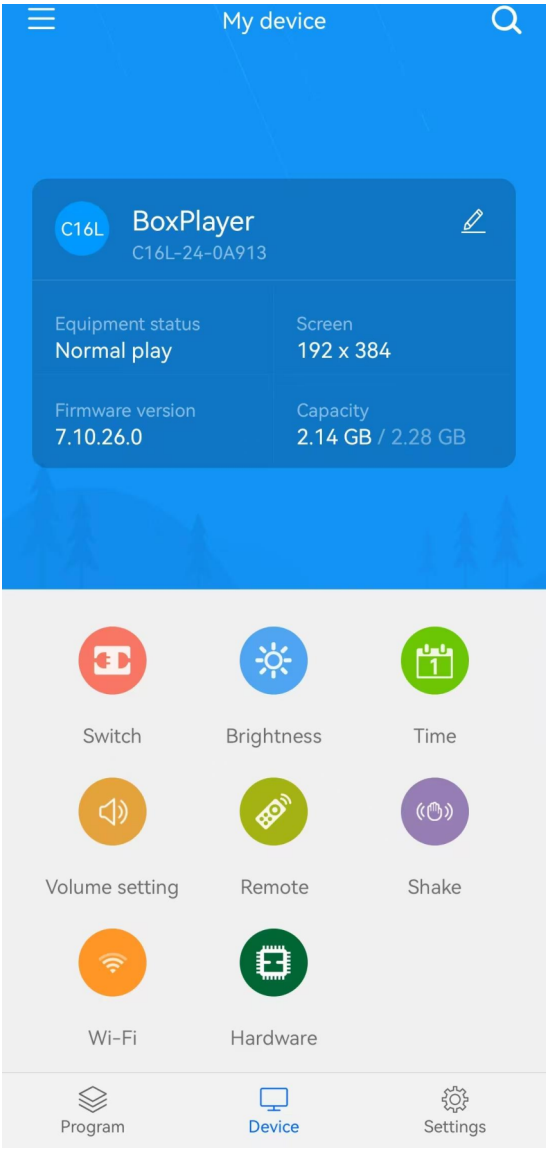


+86-755-84615006 www.zeconex.com sales@zeconex.com

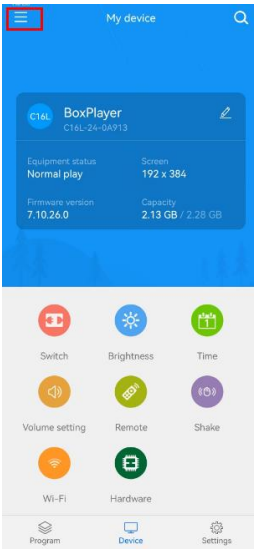
Step 4: Return to the main menu, select the Terminal Device, and publish the program.



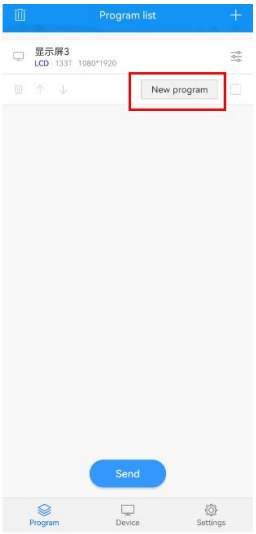
- **Screen Control APP Program Production and Publishing**



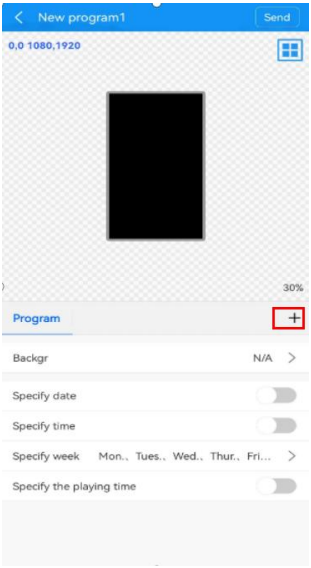
Step 1: Open the Screen Control APP, open the list, and select the Device ID for which the program is to be created.

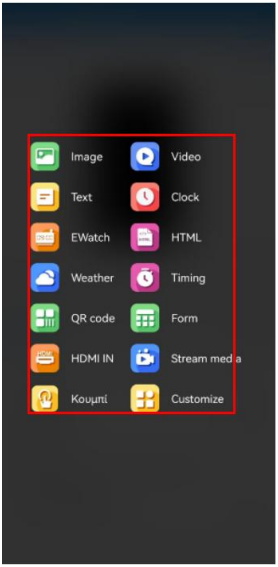


Step 2: Select New Program, create the program, and the system will automatically match the corresponding resolution.

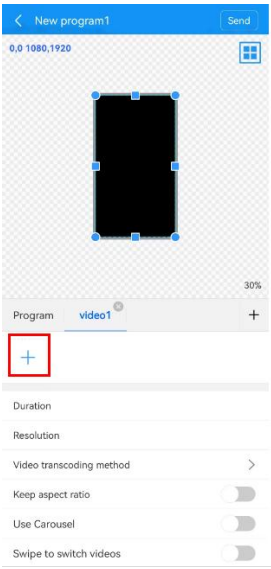


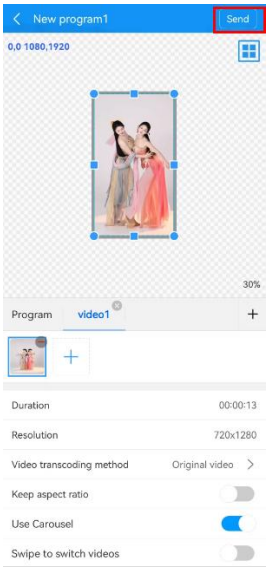
Step 3: Select the Device Playback Content Category.





Step 4: Add the corresponding content materials, and after completing, publish the program.





6. Maintenance

6.1 General Maintenance

- he DC Fast Charger is cooled by forced air. Please keep charger in a ventilated location and do not block the air vents of the DC Fast Charger.
- Please clean or replace the air filters regularly to ensure the DC Fast Charger works properly.
- Clean the DC fast Charger at least three times a year, keep the exterior clean at all times.
- Clean the outside of the cabinet with damp cloth or wet cotton towel, only use low-pressure tap water and cleaning agents with PH level between 6 to 8.
- Do not apply high-pressure water jets.
- Do not use cleaning agents with abrasive components and do not use abrasive tools. Improper cleaning agents might spoiled coating, painting, surface, bright-ness and durability of all exterior parts.
- If there is water intruding into the DC Fast Charger then please cut off the power source immediately and contact the DC Fast Charger provider for repair.
- Please make sure the charging connector is returned to the holder of the charging connector after charging to prevent damage.
- If there is damage to the charging connector, charging cable or holder of the charging connector then please contact the DC Fast Charger provider.
- When using the DC Fast Charger please handle properly. Do not strike or scrape the cabinet or touchscreen.
- If the enclosure or touch screen is broken, cracked, open or shows any other indi-cation of damage then please contact the Standalone DC Fast Charger provider.

WARNING: Danger of electrical shock or injury. Turn OFF power at the panelboard or load center before working on the equipment or remov-ing any component. Do not remove circuit protective devices or any other component until the power is turned OFF.

- Disconnect electrical power to the DC Fast Charger before any maintenance work to ensure it is separated from the supply of AC mains. Failure to do so may cause physical injury or damage to the electrical system and charging unit.

Note:

- Before switching off main breaker to begin maintenance, please record the status code number on the LCD monitor.
- After switching off the key switch the circuit before the main terminal is still hazardous. Only visual inspection can be operated.
- Maintenance of the DC Fast Charger shall be conducted only by a qualified technician.

- BAfter opening the front door of the DC Fast Charger, turn off the main breaker and auxiliary breaker before any maintenance work.
- Replace the ventilation filter every six to twelve months.

Limited Product Warranty

The warranty period for this charger is two years.

Any spare parts provided by Global charge Technology and used as replacements for repair are covered by a five-year guarantee.

Replacement and repair parts manufactured by alternative manufacturers to those on the maintenance parts are only allowed if authorized by Global charge.

Warranty Exclusions:

- Damage or rendered non-functional as a result of power surges, lighting,
- earthquake, fire
- flood, pest damage, abuse, accident, misuse, negligence or failure to maintain the product or other event beyond Global charge's reasonable control or not arising from normal operating condition.
- Cosmetic or superficial defect, dents, marks or scratches after use.
- Components which are separate from the product, ancillary equipment and consumables, such as door key, RFID card, air filter, fuse, cable, wires and con-nectors.
- Damage as a result of modifications, alterations or disassembling which were
- not pre-authorized in writing by Global charge.
- Damage due to the failure to observe the applicable safety regulations govern- ing the proper use of the product.
- Installed or operated not in strict conformance with the documentation, in-cluding without limitation, not ensuring sufficient ventilation for the product as described in Global charge installation instruction.

If a defect in the product arises and valid claim is received within the warranty pe- riod, your sole and exclusive remedy will be for Global charge, at its sole discretion and to extent permitted by law,to

1. Repair the defect in the product at no charge, using new or refurbished parts.
2. Exchange the product with new or refurbished product that is functionally equivalent to the original product.

Any remedy hardware product will be warranted for the remainder of the original warranty period or 90 days from delivery to the customer, whichever is longer.

In order to receive the remedy set for above, you must contact Global charge during the warranty period and provide the model number, series number, proof of purchase, and date of purchase

Appendix - Package list

Item	Description	Quantity	Remark
1	Global charge EV charger	1	
2	User Manual	1	
3	SD card	1	
4	RFID Card	2	
5	Key of Cabinet	2	
6	12/80 " Expansion Screw	4	
6	test tools	1	