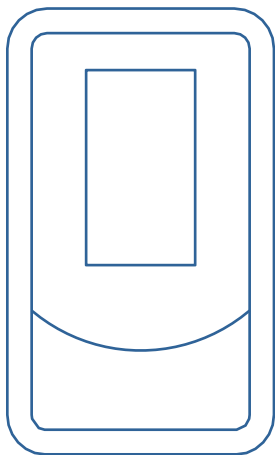


Zeeda**Wallbox**

US Standard 80A 20KW AC Charger



User Manual

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: —Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least **20 cm** from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. 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.

*Responsible
Party:Address:
Telephone
number:*

Caution!

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

IC :

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L' émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d' Innovation,

Sciences et Développement économique 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;

2) L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with

RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance. Le dispositif

rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition

de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.This

transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment

should be installed and operated with a minimum distance of 20

centimeters between the radiator and your body.Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même

temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance

minimum de 20 centimètres entre le radiateur et votre corps.

Safety Information

CAUTION

1. Before using or maintaining this product, it is important to read the following safety instructions carefully. Failure to follow and implement all the specified instructions and procedures may invalidate the warranty, and therefore our company will not be liable for any claims.
2. Do not use this product if there is any damage to the unit
3. To reduce the risk of electric shock, connect only to properly grounded outlets.
4. Risk of electric shock. Do not remove cover or attempt to open the enclosure. No user serviceable parts inside. Refer servicing to qualified service personnel.
5. DO NOT INSTALL ON OR OVER COMBUSTIBLE SURFACES.

ATTENTION

1. Toujours lire attentivement les instructions de sécurité suivantes avant d'utiliser ou d'entretenir ce produit. Le non-respect et l'exécution de toutes les instructions et procédures prescrites peuvent annuler la garantie et notre société ne sera donc pas responsable de toute réclamation.
2. Ne pas utiliser ce produit si l'appareil est endommagé.
3. Pour réduire le risque de choc électrique, brancher sur une prise correctement mise à la terre.
4. Risque de choc électrique. Ne pas retirer le couvercle ni essayer d'ouvrir le boîtier. Aucune pièce interne réparable par l'utilisateur. Confier tout travail d'entretien ou de réparation à un technicien qualifié.
5. NE PAS INSTALLER SUR OU AU-DESSUS DE SURFACES COMBUSTIBLES.

WARNING

1. Do not use an extension lead on the charging cable.
2. Risk of explosion. This equipment has arcing or sparking parts that should not be exposed to flammable vapors.
3. Risk Of Explosion. This Equipment Has Internal Arcing Or Sparking Parts Which Should Not Be Exposed To Flammable Vapors. It Should Not Be Located In A Recessed Area Or Below Floor Level.
4. This device is intended only for charging vehicles not requiring ventilation during charging.

AVERTISSEMENT

1. Pour réduire le risque de choc électrique ou d'incendie, ne pas utiliser de rallonge avec cet appareil.
2. Risque d'explosion. L'appareil comporte des pièces pouvant produire des arcs électriques ou des étincelles qui ne devraient pas être exposés aux vapeurs inflammables.
3. Risque d'explosion. L'appareil comporte des pièces internes pouvant produire des arcs électriques ou des étincelles qui ne devraient pas être exposées aux vapeurs inflammables. Cet appareil ne devrait pas être encastré ni installé sous le niveau du sol.
4. Ce dispositif est destiné au chargement des véhicules ne nécessitant pas de ventilation au cours du chargement.

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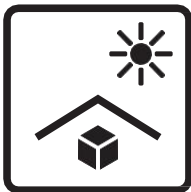
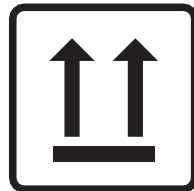
Customer Service

Contact us: service@zdenenergy.com

Website: www.zdenenergy.com www.zeedaenergy.com

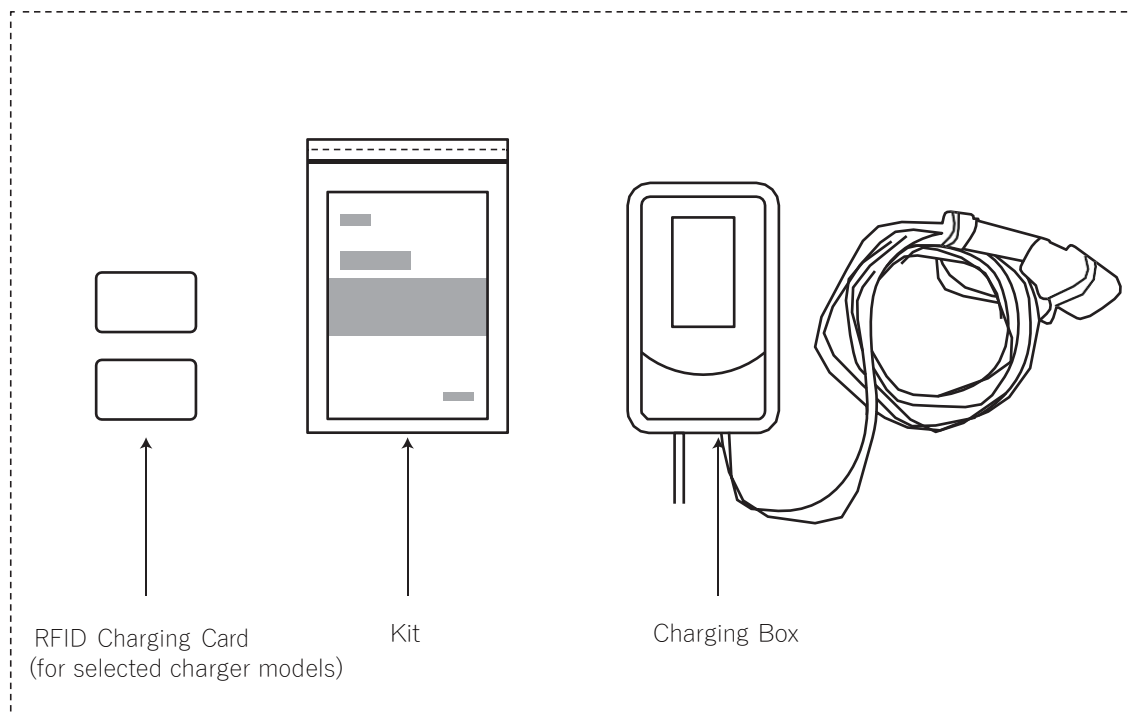
Safety Precaution

1. Carefully read the user manual before installing and using the product. Ignoring precautions may result in serious injury or damage.
2. Only a qualified electrician should install and maintain the charger. Untrained individuals should not perform these tasks.
3. Improper installation or repairs can be hazardous and may increase the risk of fire.
4. Improper installation and repair will invalidate the product warranty.
5. Avoid disassembling the product. Improper re-assembly could lead to damage, leaks, and water ingress.
6. Ensure the power supply is disconnected and the switch is off before any installation or maintenance.
7. NOT recommended to use the product with any charging adapters or converters.
8. For safety, It is required to install with a dedicated Micro Circuit Breaker (MCB) and a Residual Current Device (RCD) or any safety device required by local regulations



Packing List

Please check the content inside the box.



Composition of the Kit

Wire clamp plate: 1

User manual: 1

M5 head screws: 4

M8 countersunk head screws: 4

M10 Expansion bolts : 4

Product Specifications

Product Specifications	
Model	ZDA2-HC1-Y22M-2221
Rated Voltage (V)	240V
Rated Current (A)	80A
Maximum Output Power	19.2KW
Cable Width	2 × 16 mm ² +1 * 10 mm ²
Frequency (Hz)	60 Hz
Working Altitude	≤2000 m
Charging Mode	Mode 3
Dimension	353 mm * 214 mm * 93mm (without cable)
Weight	16kg
Operating Temperature	-30°C to 50 °C
Storage Temperature	-40 °C to 80 °C
Connector Type (SAE J1772)	Type 1
Ingress Protection	Type 3R
Residual Current(AC)	20mA

Installation Environment Requirements

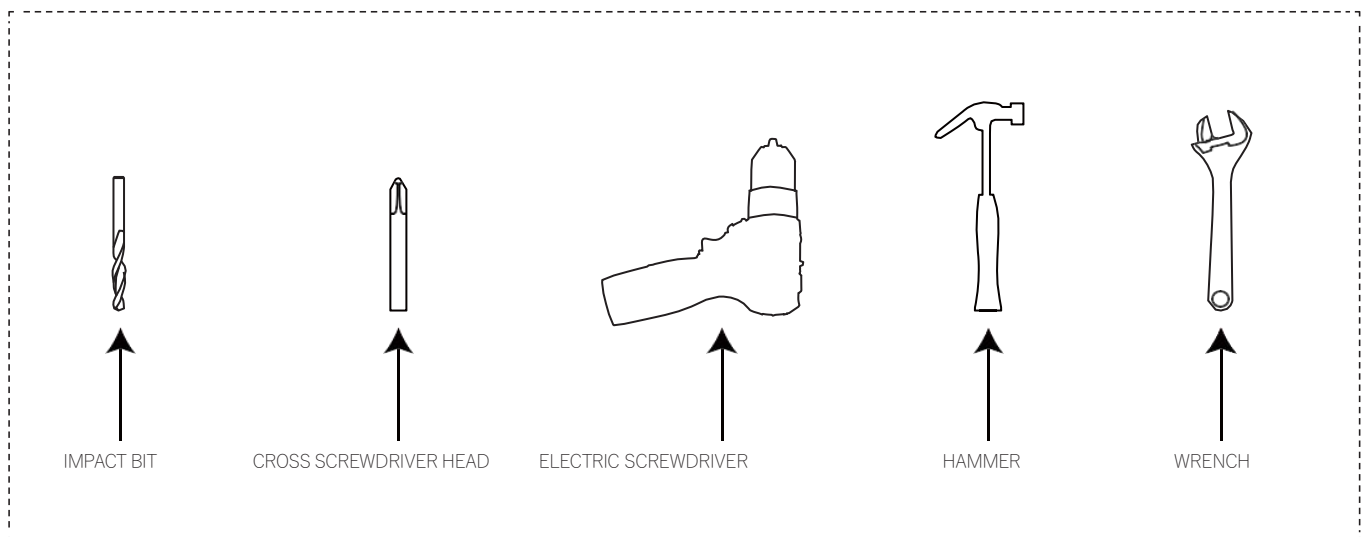
The charger installation environment should meet the following conditions:

1. A location that offers a suitable cable length for easy charging access.
2. At least 1.3 meters above the ground.
3. Minimum clearance of about 50cm around the charger when wall-mounted.
4. A well-ventilated area to allow for proper heat dissipation.
5. An open area with no obstructions.
6. Avoid hazardous areas prone to electrical shocks or the presence of flammable or explosive materials.
7. Avoid areas that are likely to flood, or have accumulation of water.

Install Process

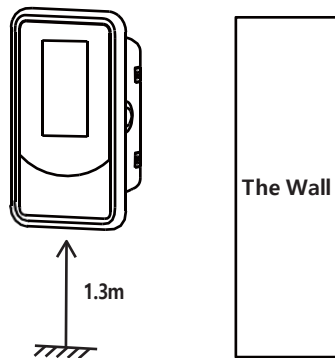
1. Installation Tools

The picture below are the tools you need for installation.

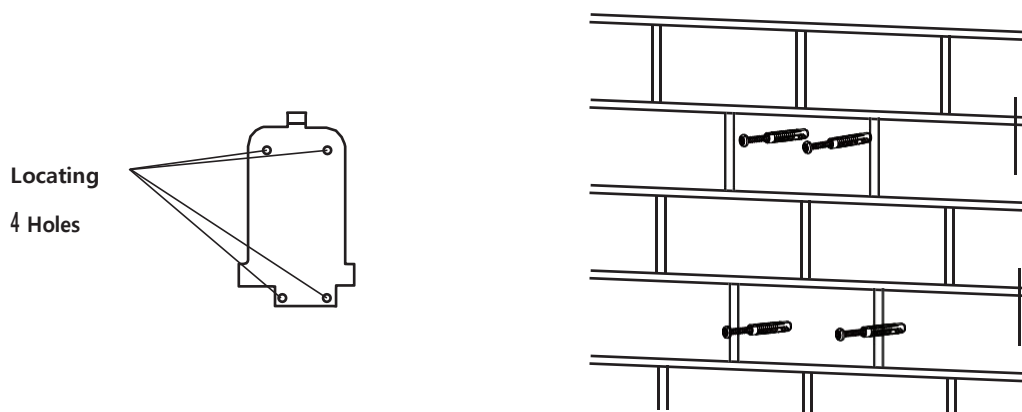


2. Installation Steps

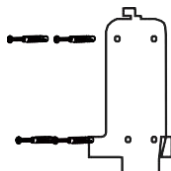
- a. Confirm the charging station's location and mark it. The station's center must be installed at least 1.3 meters above the ground.



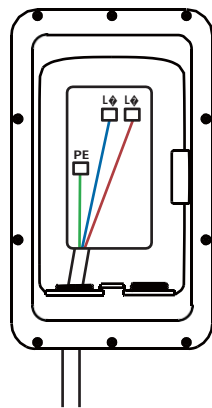
- b. Align the four locating holes on the hanging plate, then mark the wall. Drill a 60 mm-deep hole at each mark and insert four M10 expansion pipes.



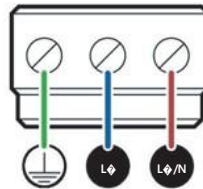
- c. Secure the hanging plate to the wall using four M8 cross-slot tapping screws, aligning them with the expansion pipes.



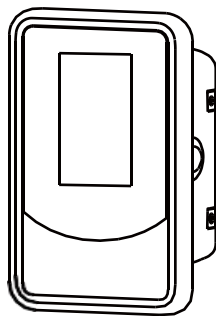
d. Attach the power cords at the terminal block on the back of the charging station.



Single-phase wiring diagram



e. Hang the charging pile with the attached power line on the hanging plate. Secure the charging pile to the plate with two M5 cross-recessed pan head screws on each side. Upon tightening, the installation is complete.



Fixation of charger and hanging plate

Note :
US and CA market have two power
point type. We should add

Operation Instruction



Inspection Before Charging

Check the charging cable and connector for damage, ensuring no foreign objects, water, or impurities are present.



Connecting to Vehicle

Attach the charging connector to the vehicle and wait for the light indicator to flash green slowly, signaling it's ready to charge.



Initiating Charge with RFID

For selected models, swipe an RFID card near the RFID Reader to start the charging process.



Plug in and Charge

If no RFID card is provided, the default charge mode is Plug and Charge
Just connect the charger to your vehicle, charging will start



App Smart Charging Feature (For Connected Charger)

For models with smart charging, refer to the app's user guide and use the app to initiate charging, set charging schedule, monitor charging activities etc.

ZeedaEnergy app is available at Apple App Store and Google Play Store



Charging Indicator

During charging, the blue and green lights will remain illuminated.

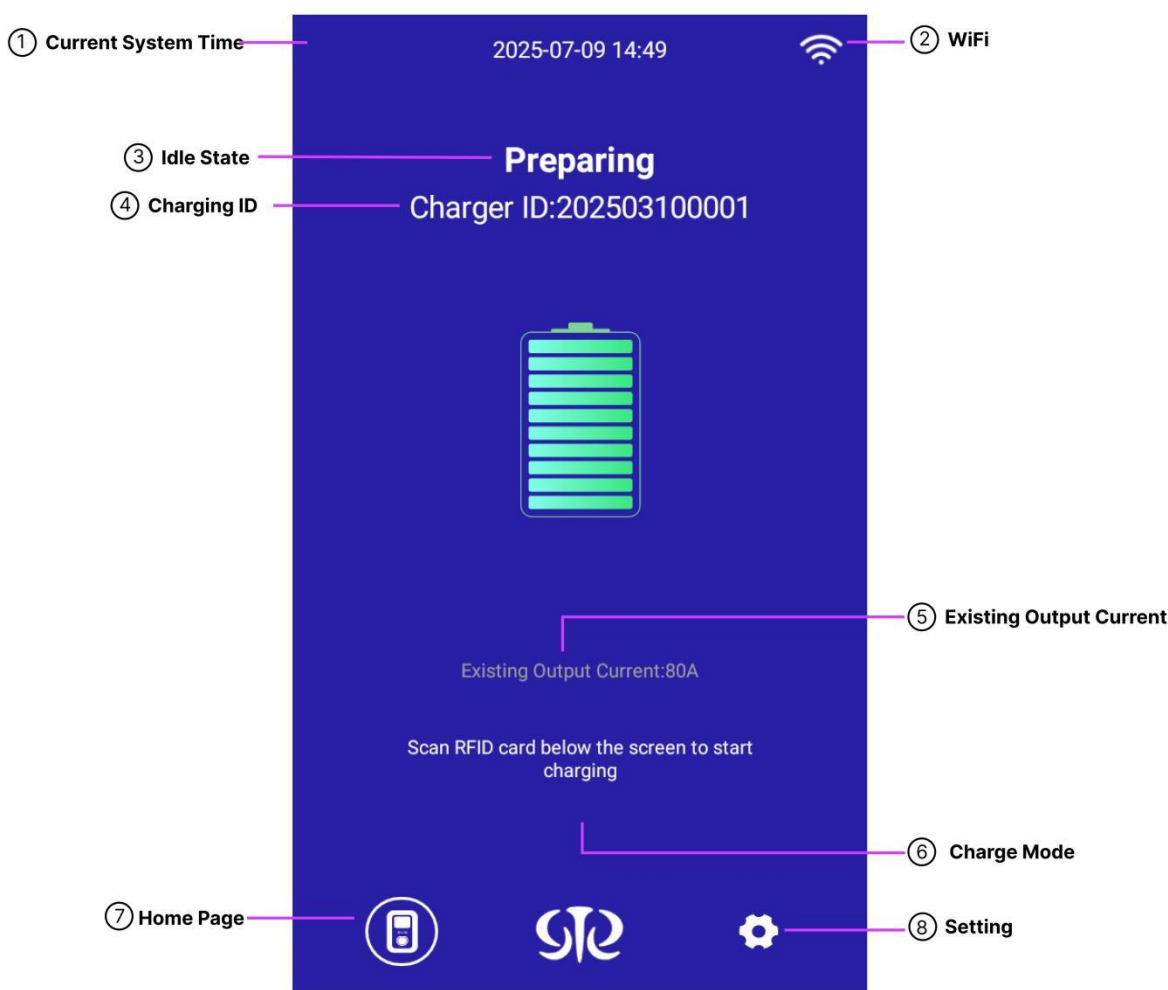


Stop Charging

1. Please select the suitable mode to stop charging.
2. The light will turn green when charging stops.
3. Unplug and close the charging port.
4. Secure the plug and coil the cable on the holder.

Screen Operation Introduction

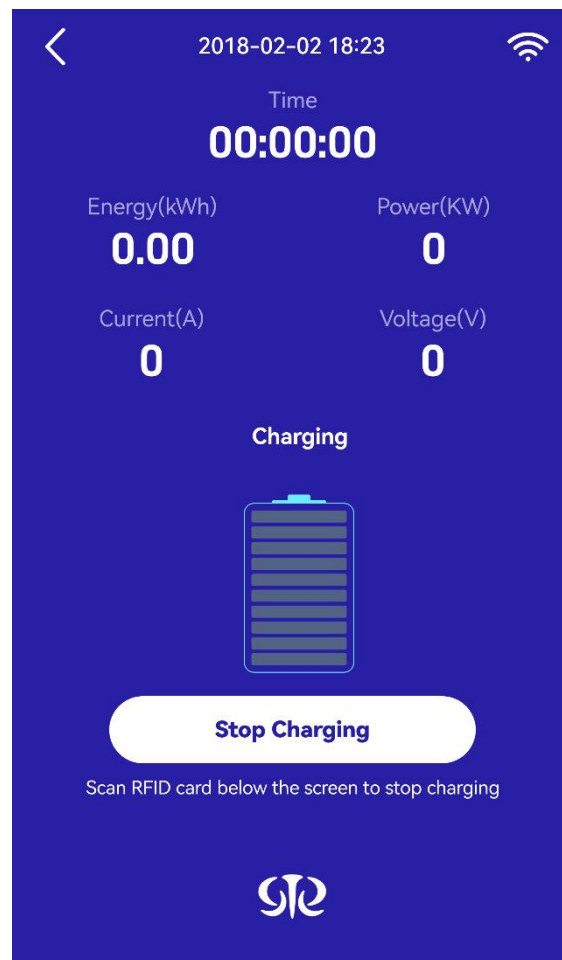
1.Home page



Icon	Description
①Current System Time	Display real-time time of the current time zone automatically after being connected to the internet.
②Wi-Fi Icon	Lights up after a successful connection with the Wi-Fi router.
③Charging Status	Shows the charging status : Available/Preparing/Charging/completed.
④Charging ID	Each charger has a unique ID,which shall not be altered without authorization.
⑤Existing Output Current	Shows real-time charging current.
⑥Charging Mode	Shows current charging mode.
⑦Home page	Click "Home page" button to back to home page.
⑧Setting	Click "Setting" button to access the main setting page.

2. Charging In Process

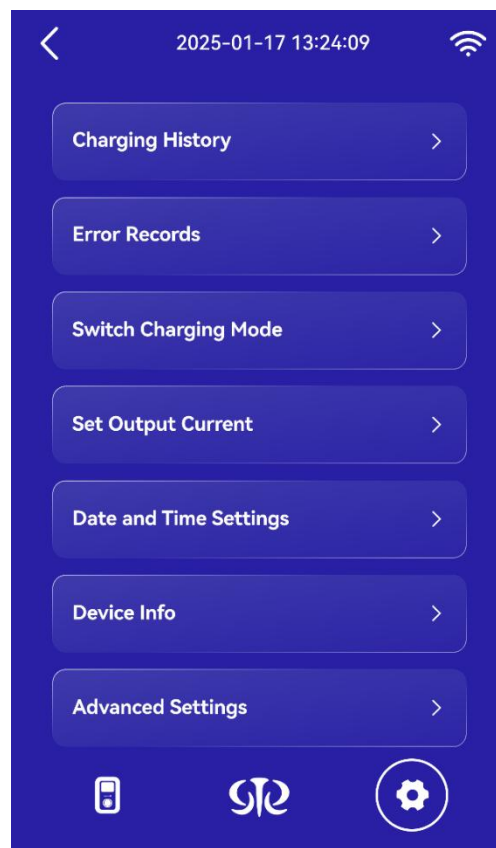
When the charging is in process, the interface shows the details of charging status



3.Main Setting Page

On the homepage, click the "Settings"  button to enter the settings page which displays the following operations and settings:

- **Charging-related:** View charging records and error logs, switch charging modes, and set the current.
 - Charging History: Shows the latest 5,000 charging information.
 - Error Records: Shows all the error code information and error message for troubleshooting.
 - Switch Charging Mode: Switch freely between RFID card authentication mode and plug-and-charge mode as needed.
 - Set Output Current: Current can be adjusted and selected in real time as need. (Factory setting includes 32A/40A/48A/80A and a custom option)
- **System-related:** Configure date and time settings, view device information, and access advanced settings.
 - Date and Time Settings: Date and time can be set between auto-sync mode and manual mode.
 - Device information: Shows the device information includes electrical parameters, hardware & software information.
 - Advanced Settings: Advanced Setting is reserved for the ADMIN to manage the various advanced features of the chargers.



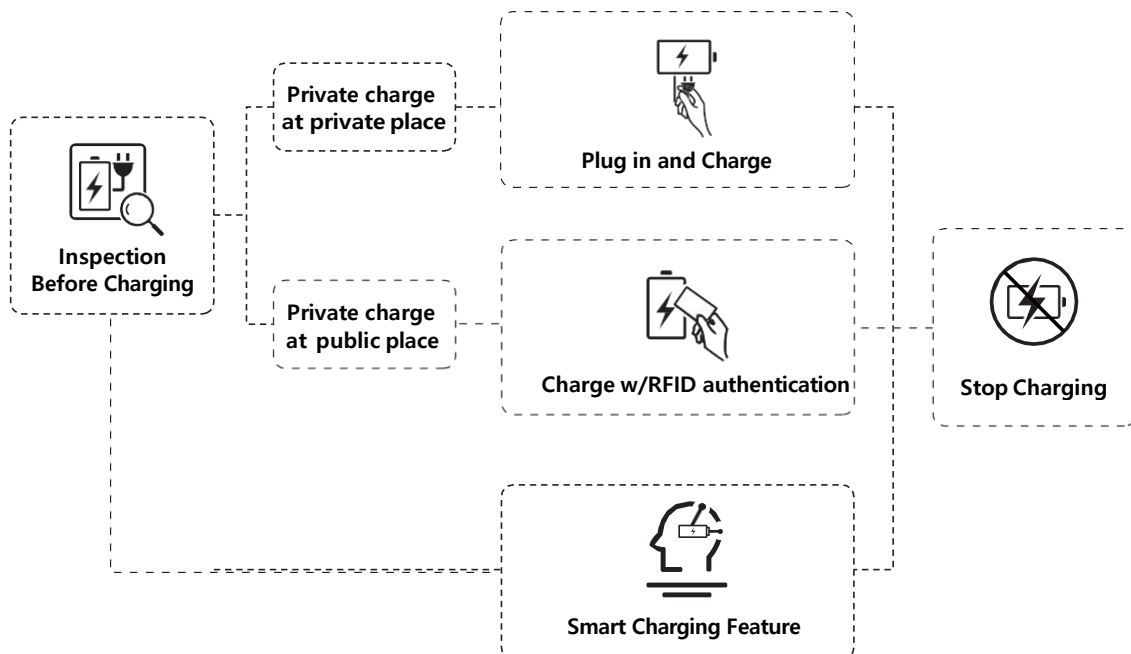
Kindly scan the QR code as below to check the latest “Screen Operation Manual” with details.

NOTE:

- Screen Operation is subject to future updates to optimize the user experience and system features.
- Screen update will be conducted through Over-the-Air update (OTA) during the charger idle time.
- You can scan the QR code below, or visit the link (http://aosspic10001.websiteonline.cn/pmo33f007/doc/US_80A_Screen_Operation_Manual.pdf), to download the Screen Operation Manual,



Operation Flow



Troubleshooting

For your safety, only a licensed electrician can test and diagnose any issues. The manufacturer is not responsible for damage or hazards caused by attempted repairs by an unqualified individual.

For the complete Error Code list, please contact the manufacturer customer service.

Error Code	Fault Description	Solutions
E01	Grounding fault	Check if the PE line is not connected properly
E02	Leakage protection	Please unplug the charging gun and reset the safety switch. If there are still errors, professional technical service is required
E03	Input overvoltage	Wait until the voltage returns to normal before using again
E04	Input undervoltage	Wait until the voltage returns to normal before using again
E05	Output overcurrent	Unplug the charging gun and reset the safety switch
E06	CP (Control Pilot) Voltage Error	Communication error exists between the charger and vehicle. Re-plug the charging gun and try again later. If there are still errors, professional technical service is required
E12	Operating temperature issue	The operating temperature is too high. Disconnect the air switch and use the charger after the temperature returns to normal
E21	Relay adhesion	Unplug the charging gun and reset the safety switch. If there are still errors, professional technical service is required
E31	MCB communication failure	Unplug the charging gun and reset the safety switch. If there are still errors, professional technical service is required

Warranty

The manufacturer warrants the new product without any material and manufacturing defects. During the warranty period, the manufacturer will repair and/or replace the parts if there is verified product failure.

Consult your local authorized representative for country-specific warranty details.

The product contains no user-serviceable parts. Any hardware or software defects during the warranty period should be served by an authorized service provider.

Warranty Disclaimer

The manufacturer waives the product warranty under the following conditions:

1. Damage during customer transportation.
2. Unauthorized repairs attempted on the product.
3. Failure or damage from improper installation
4. Failure or damage from the usage outside of the defined working conditions.
5. Products outside the warranty period.
6. Damage from natural disasters (earthquakes, floods).
7. Cosmetic damage (burns, warping, deformation).

Customer Support

1. Contact the authorized local service provider first.
2. Visit **www.zdenenergy.com** or **www.zeedaenergy.com** for manufacturer help desk support, or email Customer Service at **service@zdenenergy.com**



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