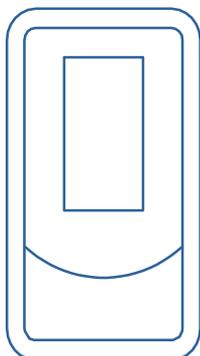




Zeeda**Wallbox**

US Standard 80A 20KW AC Charger



User Manual

Contents

⚡	Safety Precautions	4
⚡	Packing List	5
⚡	Product Spec	6
⚡	Installation Environment Requirements.....	7
⚡	Installation Process	7
⚡	Operation Instruction	10
⚡	LCD Interface	11
⚡	Operation Flow	19
⚡	Troubleshooting -----	20
⚡	Warranty -----	21
⚡	Customer Support	22

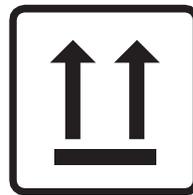
Customer Service:

Contact us: service@zdenenergy.com

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

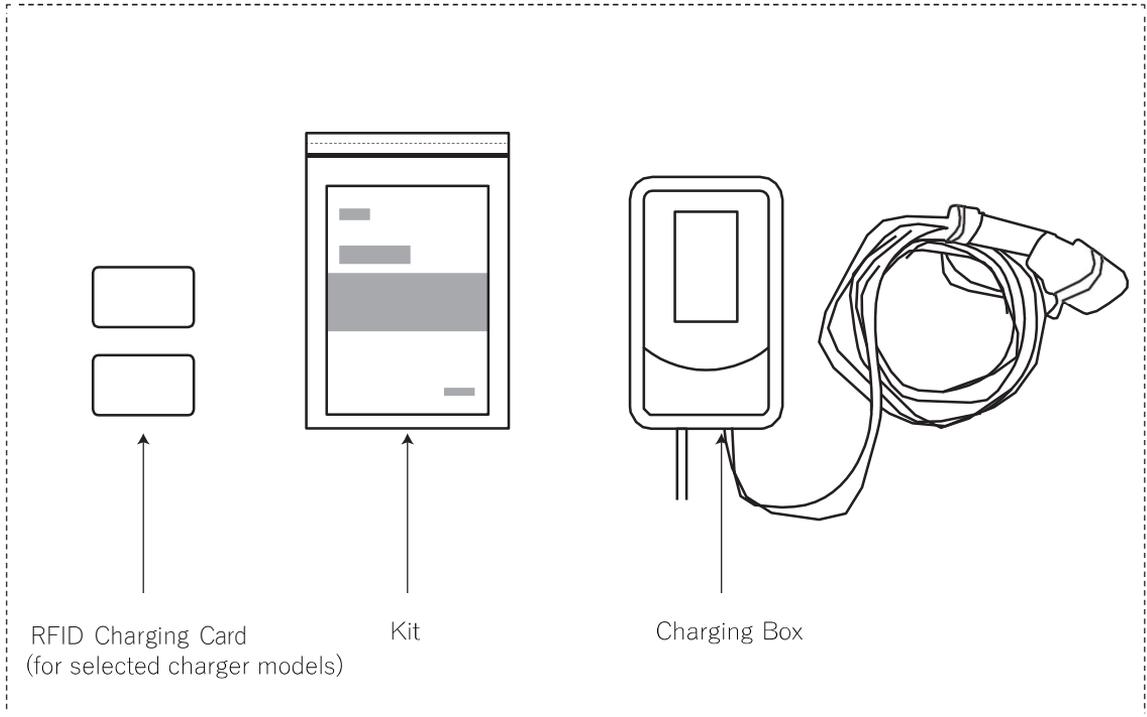
Safety Precaution

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

- Mounting plate: 1
- Certificate: 1
- Wire clamp plate: 1
- User Manual: 1
- Pan head screws M4x10mm 3
- Flat head screws M6x30mm 4
- Anchor bolt 8x40mm 4

Product Specifications

Product Specifications	
Model	ZDZAA419T-CS
Rated Voltage (V)	240V
Rated Current (A)	80A
Maximum Output Power	20 KW
Cable Width	2×16 mm ² +1 * 10 mm ²
Frequency (Hz)	50 Hz / 60 Hz
Working Altitude	≤3000 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
Certifications	UL 2594; UL 2231-1/20
Connector Type (SAE J1772)	Type 1
Ingress Protection	Type 3R
Residual Current(AC)	20mA

Installation Environment Requirements

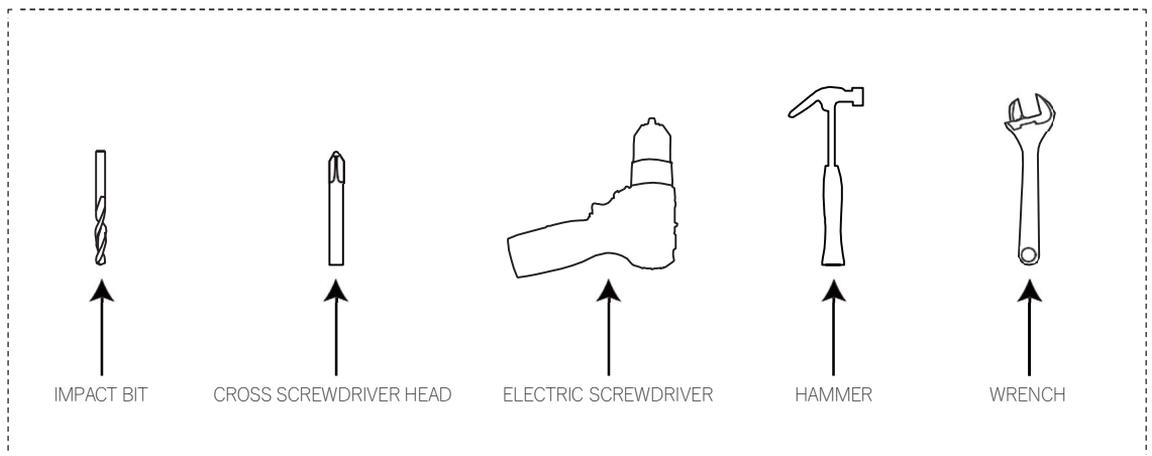
The charger installation environment should meet the following conditions:

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

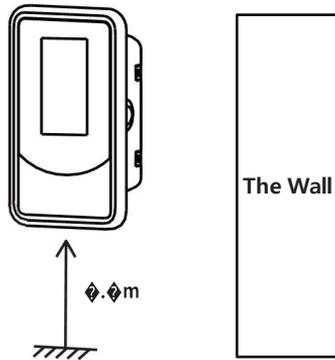
1. Installation Tools

The picture below are the tools you need for installation.

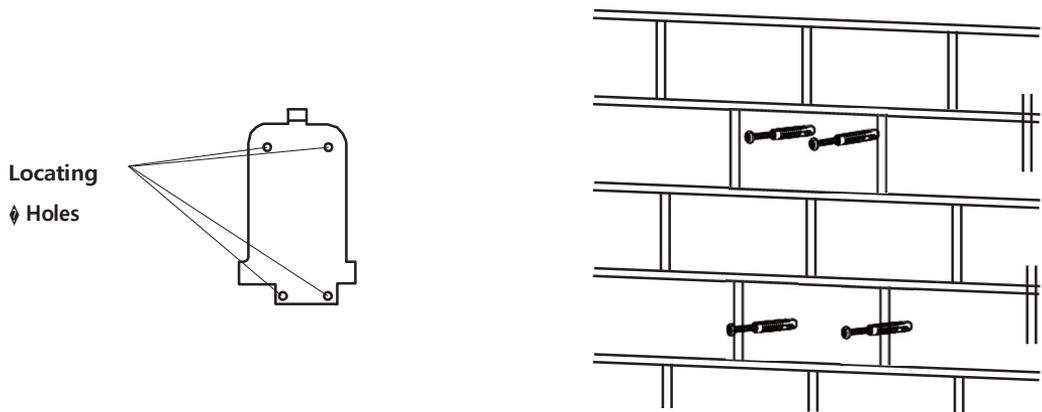


2. Installation Steps

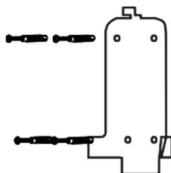
- a. Confirm the charging station's location and mark it. The station's center must be installed at least 1.3 meters above the ground.



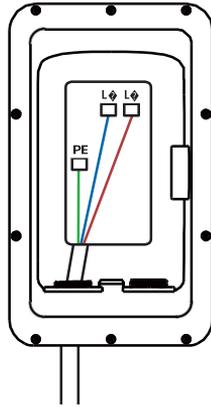
- b. Align the four locating holes on the hanging plate, then mark the wall. Drill a 60 mm-deep hole at each mark and insert four $\Phi 8 \times 60$ mm expansion pipes.



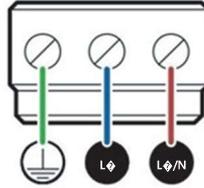
- c. Secure the hanging plate to the wall using four M6 x mm cross-slot tapping screws, aligning them with the expansion pipes.



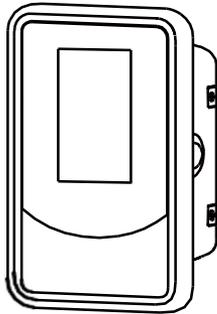
d. Attach the power cords at the terminal block on the back of the charging station.



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 M4 x 6 cross-recessed pan head screws on each side. Upon tightening, the installation is complete.



Fixation of charger and hanging plate

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 to Google Play Store



Charging Indicator

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



Stop Charging

1. Please select the suitable mode to end 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.

LCD Interface

1. Home Page

System Date and Time:

Charger Status:

Charger unique ID:

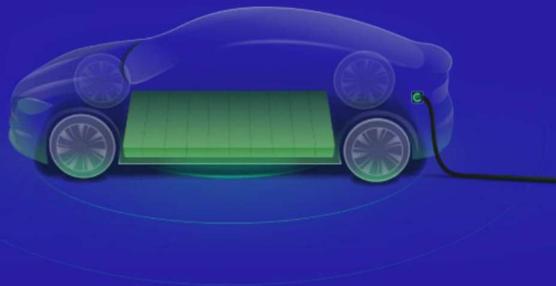
Alter the output current to the options of 32A, 40A, 48A, 80A or other options

Click the Home button to back to Home page

2025-03-14 17:59:52



Preparing
Charger ID:202503100001



Set Output Current
Max Output Current:23A

Scan RFID card below the screen to start charging



Click the WiFi sign to update the WiFi connection

Charger Status indicated by color codes

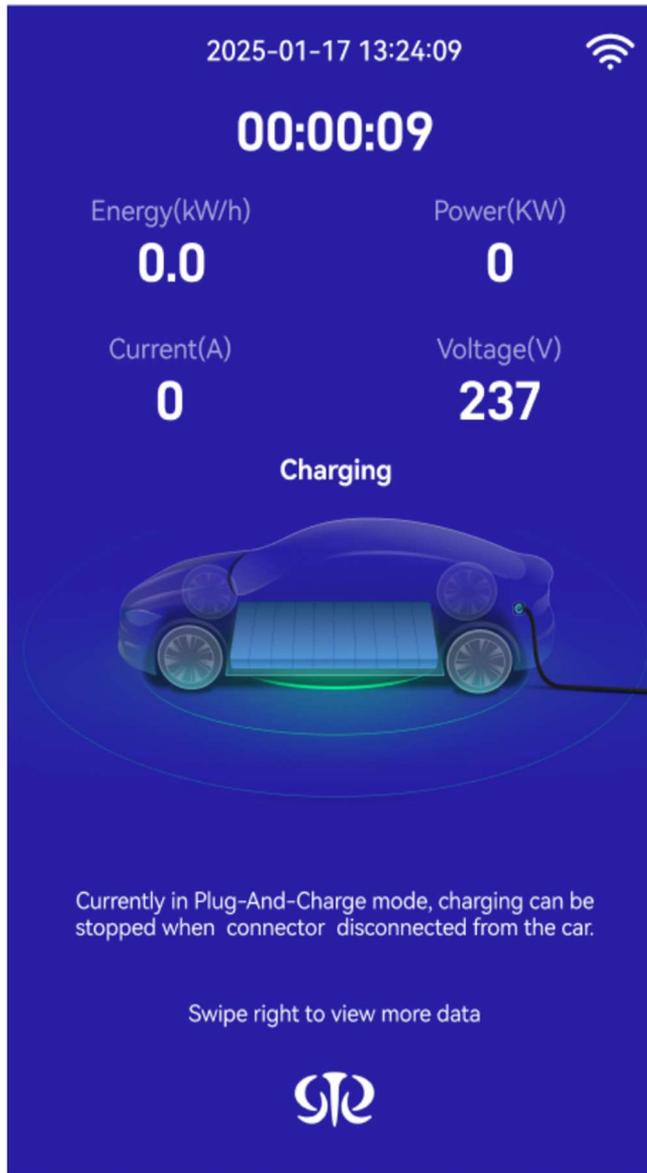
Show the current charging authentication model: RFID authentication

Click multiple times to access the Advanced Android Settings

Click the Setup 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



2. Main Setting Page

The Main Setting Page is reserved for the Charger Operator or his/her Supervisor to review charging history, diagnose charging issues, check charging errors etc.

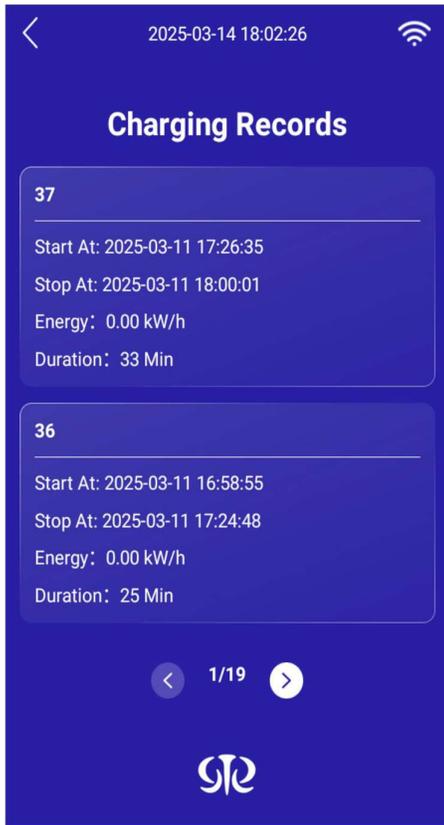
It is recommended to review the charging history and error logs first when encounter any technical issues, and report Charger ID, error code, and other information to the Customer Support staff.

The OCPP Settings is reserved for System Administrator to set the Charger Connectivity to the backend system. See the according page for details



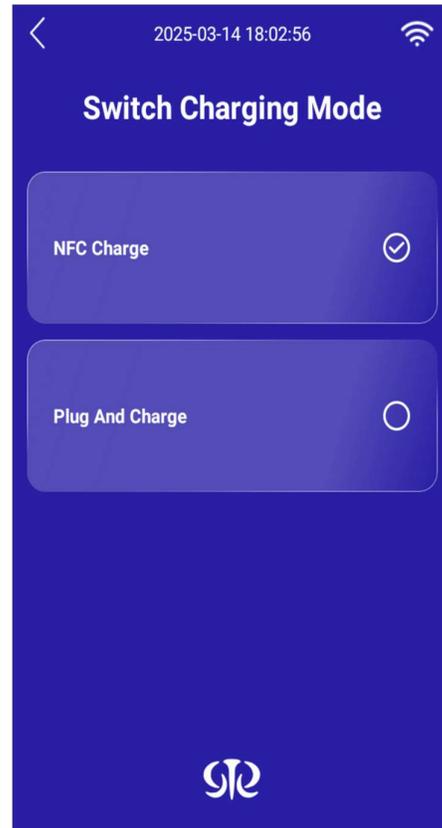
1. Click the OCPP Settings button,
2. Enter the special password,
3. Set up the advanced OCPP Settings

Charging records



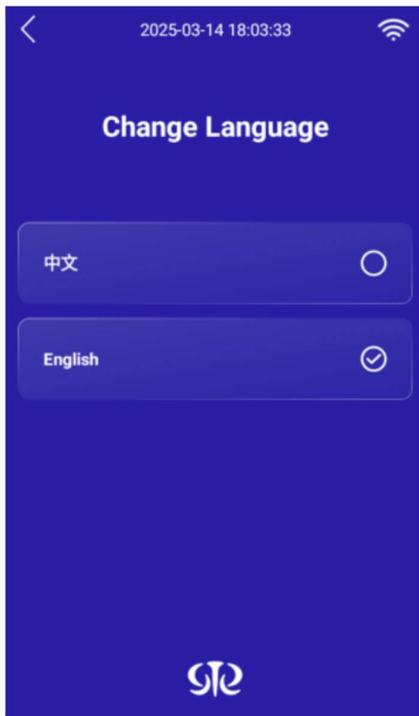
On this page, you can search for charging records. The system maintains up to 5000 record history.

Change charging mode



Two charging mode: 1. Near Field Communication (NFC) – enable the charging through the included RFID cards. 2. Plug and Charge – No authentication is needed,

Select system language



3.OCPP Settings

OCPP Settings are reserved for System Administrator to enter the Charger Connectivity to the backend system, typically a cloud application. Unauthorized person should NOT change the OCPP Settings. The mis-informed OCPP Settings will disrupt the charging business operation.

The special OCPP Settings Access Code: 9999

It is charger owner's responsibility to keep the above Access Code **CONFIDENTIAL**. Any misplaced or mis-used Access Code will disrupt the charging business operation.

After the modification of OCPP Settings, click "OK" to save the data entry.

The charger will automatically to reboot itself to make the changes effective. The charger will point to the new backend system.

2025-03-14 18:04:14

OCPP Settings

Charger ID:
202503100001

Charger Server URL:
ws://hwiot.shzhida.com/iot-

OCPP Token

OK

Enter the unique Charger ID

Write in the server's URL address.

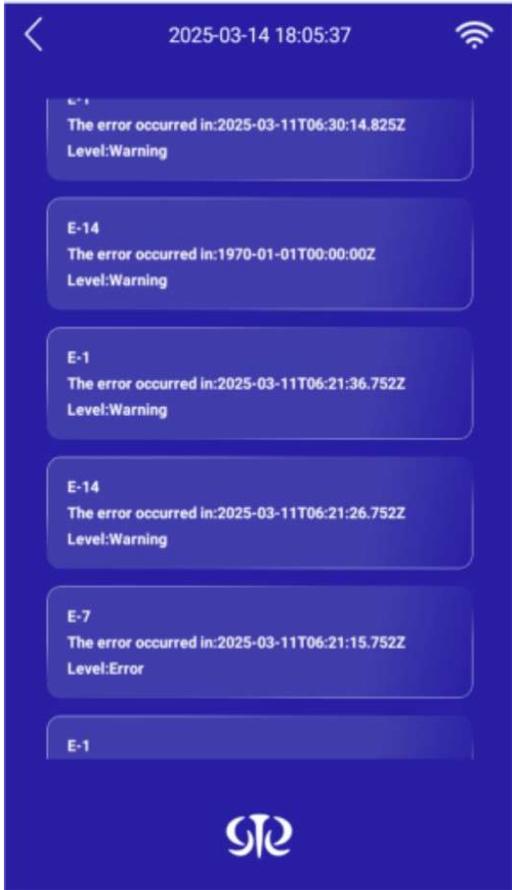
OCPP Token entry is optional. Ask the System Administrator for details

4. Device info

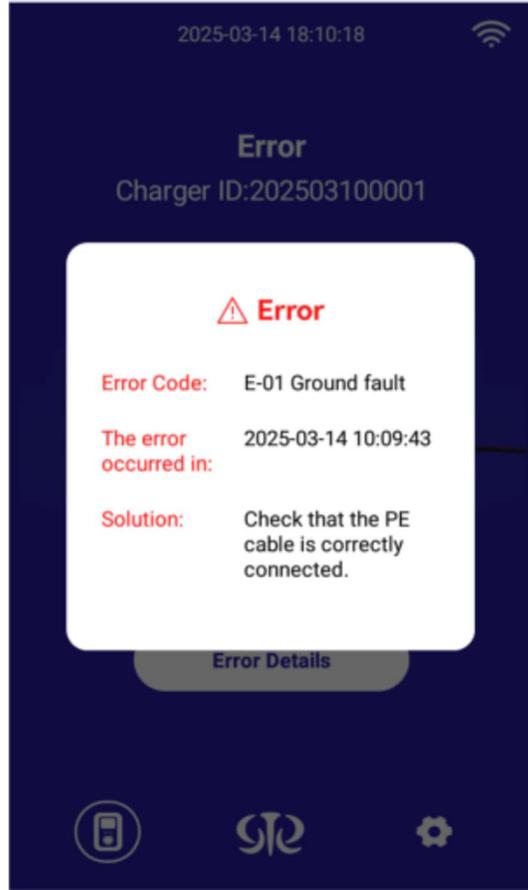
After clicking the “Device Info” button, you will see the detail charger status and system parameters.

“Error Record” button will give you access to the error code and error message for troubleshooting.





You can click the 'error record' to see every error message in history.

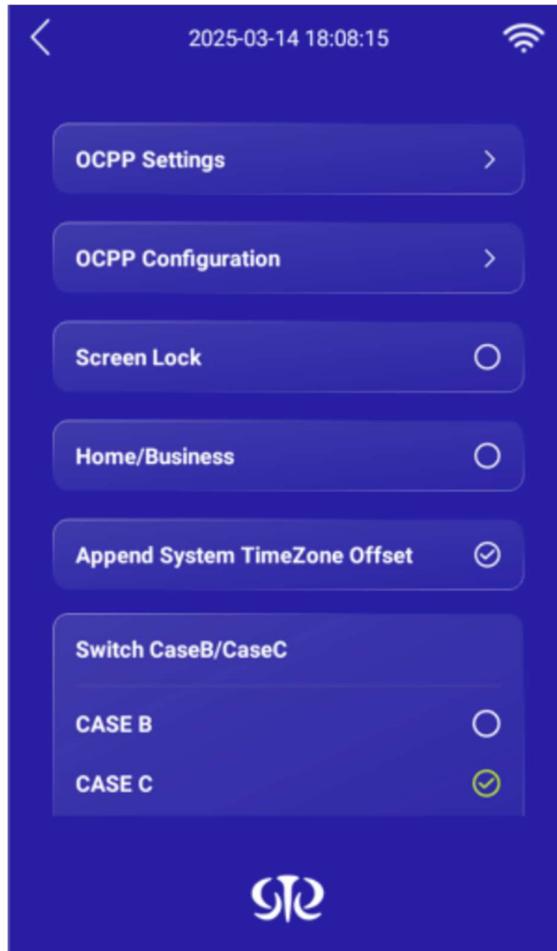


If the charger is in error, you can receive a prompt on the home page.

5. Advanced Android Settings

The Charger is built on the Android operating system. To access the Advanced Android Settings,

1. On the home page, click the logo  multiple times
2. On the numeric keypad, enter the Advanced Android Setting Access Code (See below)
3. Click “OK” to access the following page

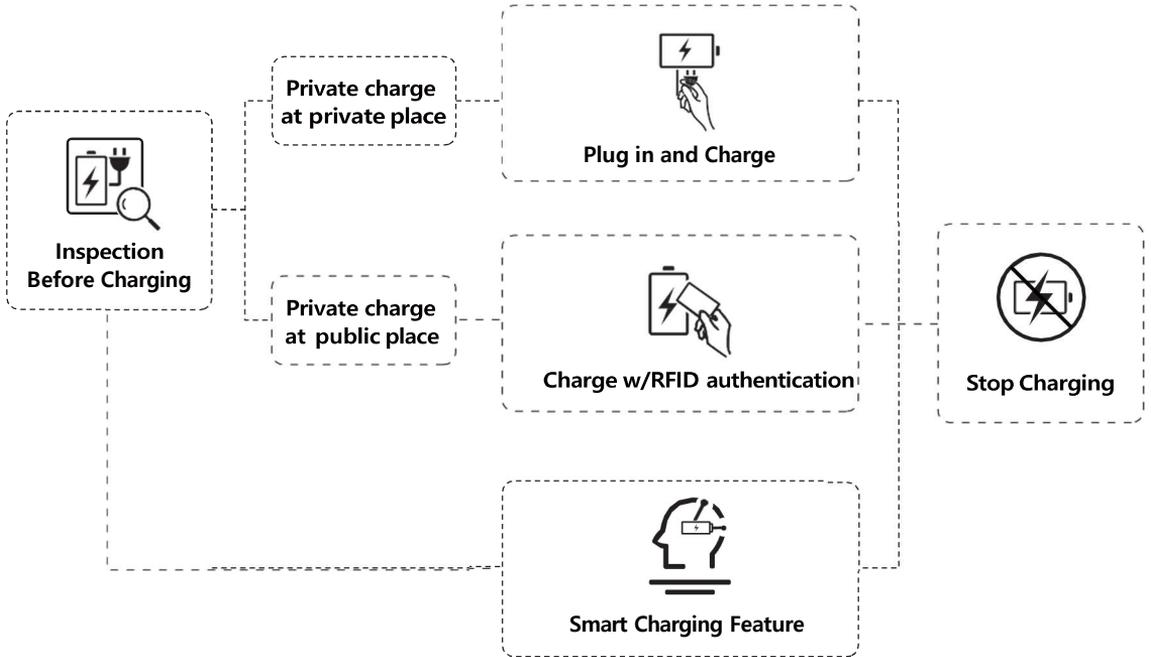


The special Advanced Android Settings Access Code: 1234

It is charger owner's responsibility to keep the above Access Code **CONFIDENTIAL**. Any misplaced or mis-used Access Code will disrupt the charging business operation.

Only the trained system administrator or the manufacturer personnel can alter the Advanced Android Setting. Contact the manufacturer for the System Maintenance Manuals for details.

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
E 05	Over Current Protection	<p>The current may have exceeded 13A above the design, adjust to lower ampere.</p> <p>13A over can cause overheating and damage the circuit.</p> <p>Unplug the charging gun and reset the safety switch if necessary.</p>
E 06	EV Charger Abnormality	<p>Check if the charging gun is properly plugged into the car. Also, inspect for any foreign objects that may be obstructing the connection.</p>
E 12	Charger Temperature is Too High	<p>Turn off the circuit breaker and wait for the temperature to normalize before using it again.</p>
E 21	Relay Bonding	<p>Unplug the charging gun and reset the safety switch.</p> <p>If the error persists, contact the trained service personnel</p>

Warranty, Repair & Maintenance

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**

Certification:



Warning

1. This product is exclusively sold by authorized distributors. Any third-party sales, resale, or use this product for commercial purposes without proper authorization are strictly prohibited. Buyers are responsible for requesting a "Certificate of the Distributor's License" from the distributor. The example is as follow:



2. Purchasing the product from unauthorized sellers may result in receiving counterfeit, expired, or improperly handled products, which could be harmful or ineffective.
3. Reproduction, adaptation, modification, or copying of the product is prohibited by law.

For a list of authorized distributors, please contact email: **service@zdenergy.com**



ZEEEDA
ENERGY