



User Manual

EV CHARGING MODE 2

- Read all instructions before using, operating, or maintaining.

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SAFETY PRECAUTIONS

Thank you for purchasing and using ZENCAR EV Charging Model 2 cable. In order to help you properly use this product, please read this user's manual carefully before charging.

Caution

-  It's not recommended to use the device for charging while raining due to the safe use of electricity.
-  Do not submerge the control box in water.
-  Do not step on, pull, bend or knot the cable.
-  Do not drop the control box or place a heavy object on it.
-  Do not place the charging cable near high temperature object when charging.
-  Do not place the device in the car or in a sealed space when charging.
-  Do not operate the device in temperatures beyond its operating range of -35°C to +55°C.
-  It is suggested that the power distribution is done by the professionals.

Warnings

-  Use only in environments with RCD circuit breakers on the power supply side.
-  Do not use this product if the EV charging cable is damaged.
-  Only for use with EV charging.
-  The product must be grounded.
-  Do not use this device with an extension cord or adapter.
-  Do not put fingers into the charging connector.
-  The device contains no users serviceable parts. Do not attempt to repair or service the device yourself.
-  If device fails to operate correctly in accordance with the operation manual, do not use this device. Contact dealer for repair or replacement.



NOTING

- Do not attempt to disassemble, repair or refit the device; Please contact us if you need maintenance or modification. Incorrect operation may cause device damage, water leakage, electric leakage, etc.
- If any abnormal situation occurs during use, all input power should be cut off immediately.
- Please charge carefully in thunderstorm weather.
- Children should not use the device to avoid injury.
- Don't drive the electric vehicles when charging. Charging can only be performed when the vehicle is stationary. Please turn off the ignition for a hybrid vehicle before charging.
- After the vehicle is fully charged, the device will not work, and the indicator light will flash green.

RECOMMENDATION OF POWER SUPPLY CABLES

220V-32A-7kW		
Cable length: $\leq 30\text{m}$	Cable length: 30m~120m	Cable length: 120m~200m
3*6.0mm ² Copper wire	3*10.0mm ² Copper wire	3*16.0mm ² Copper wire

380V-16A-11kW			
Cable length: $< 10\text{m}$	Cable length: 10m~30m	Cable length: 30m~100m	Cable length: $> 100\text{m}$
5*2.5mm ² Copper wire	5*4.0mm ² Copper wire	5*6.0mm ² Copper wire	5*10.0mm ² Copper wire

380V-32A-22kW		
Cable length: $\leq 30\text{m}$	Cable length: 30m~120m	Cable length: 120m~200m
5*6.0mm ² Copper wire	5*10.0mm ² Copper wire	5*16.0mm ² Copper wire

PRODUCT DECOMPOSITION



STATUS INDICATOR



Green on: Ready



Green flash: EV connected /
Charging completed



Red flash: Charging Error



Blue flow: Charging

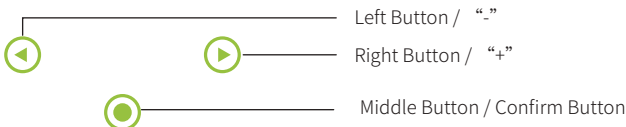


Blue on: Schedule charging(basic version)/ Waiting for sliding
charging / Reservation on(WiFi version)

PRODUCT FEATURES

Standard	IEC 62752 AC 30mA + DC 6mA	
Voltage	220V $\pm$ 10%(single phase)	380V $\pm$ 10% (three phase)
Current	6A~40A(Max)	6A ~32A (Max)
Frequency	50Hz/60Hz	
Enclosure	EVSE Enclosure:IP66	
Operating Temperature	-35°C to +55°C	
Storage Temperature	-40°C to +80°C	
Operating Humidity	5%~95%RH (non-condensing)	

TOUCH BUTTON INTRODUCTION

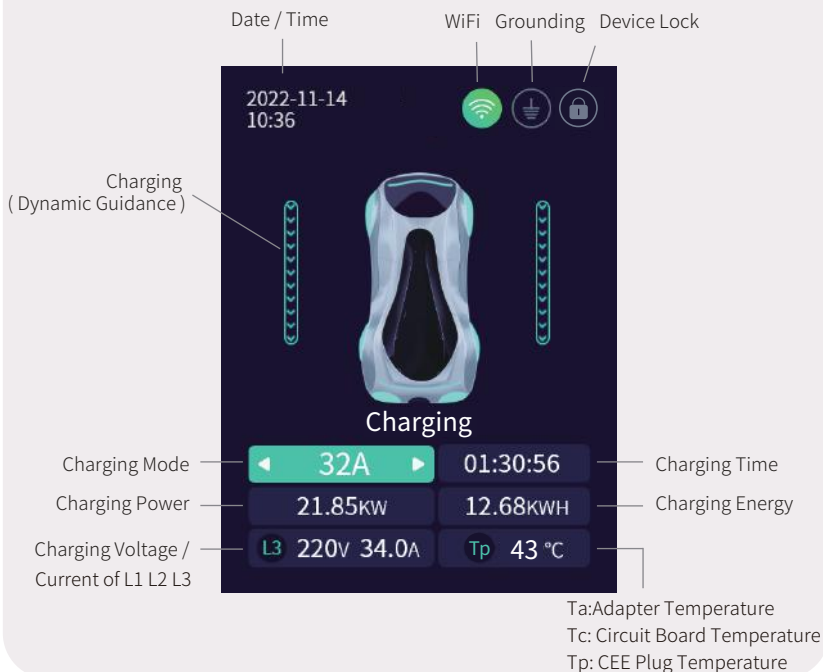


Left Button ◀ : Before plugging into car, click to reduce amp.

Right Button ▶ : Before plugging into car, click to add amp.

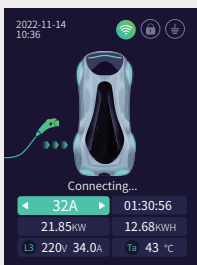
Middle Button ● : Before plugging into car, click to enter settings page, and as a confirmation button to complete the operation.
After plugging into car, click to start delay charging (basic version).

DISPLAY

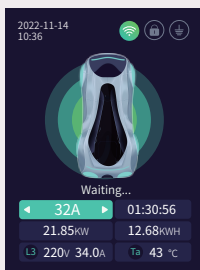


- Device Lock: No operation after charging starts 3 minutes, the device will be locked, and the buttons will not work.
- Screen Rest: No operation after power on or charging starts 3 minutes, the screen will go off, you could click any buttons or pull out the ev plug to wake up the screen.

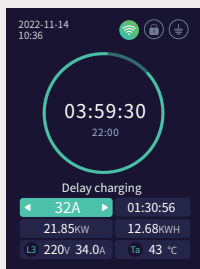
SCREEN DISPLAY INTRODUCTION



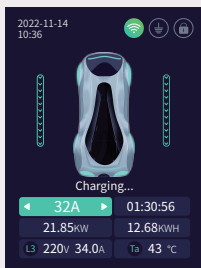
Waiting for connecting
Power on, waiting for plugging into car.



Waiting for responding
Plugged into car, waiting for charging signal from the vehicle.

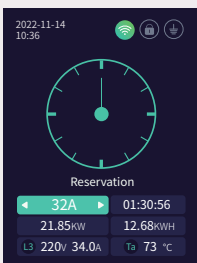


Delay charging (Basic version)
In charging status and device unlocked,
click middle button to delay 1-12 hours
charging.



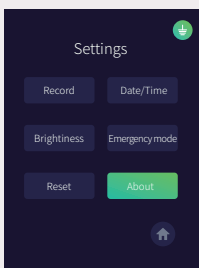
Charging

In charging status, display shows charging data.



Reservation (WiFi version)

Screen shows reservation on after setting in APP.



Settings

Before plugged in to car, click middle button to enter the setting page.

SCREEN DISPLAY INTRODUCTION

The charging device connected to the power socket, touch the middle button to enter the setting page.



The screenshot shows a 'Record' page with a table of charging records. The table has three columns: Time, Power, and Status. There are four rows of data. At the bottom, there is a green back button, a '1/2' indicator, and a 'Back' button.

Time	Power	Status
10.28/08:24	25	OK
10.29/12:35	KWh	
10.29/07:24	10	OK
10.30/01:35	KWh	
10.31/21:24	6	OK
11.01/00:33	KWh	

Charging Records

Enter the [Charging Records] page, view max 30 charging records.



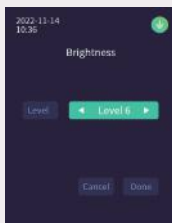
The screenshot shows a 'Date' setting page. At the top, it displays the current date and time: '2022-11-14 10:36'. Below this, there is a 'Date' label and three input fields for Year (Y), Month (M), and Day (D). Each field has a green button with a left arrow and a blue button with a right arrow. At the bottom, there are 'Cancel' and 'Next' buttons.

Date & Time

Enter the [Date Setting] page, use right button / left button / Middle button to set date and time.

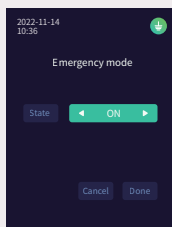


The screenshot shows a 'Time' setting page. At the top, it displays the current date and time: '2022-11-14 10:36'. Below this, there is a 'Time' label and two input fields for Hour (H) and Minute (M). Each field has a green button with a left arrow and a blue button with a right arrow. At the bottom, there are 'Previous' and 'Done' buttons.



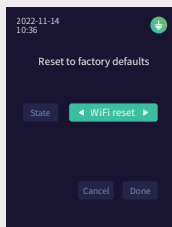
Screen Brightness

Enter the [Screen Brightness] page, set brightness 1-6 levels.



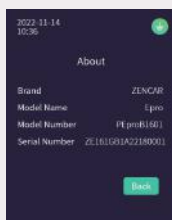
Emergency mode

Enter the [Emergency mode] page, set emergency mode on, charge with ungrounding.



Reset

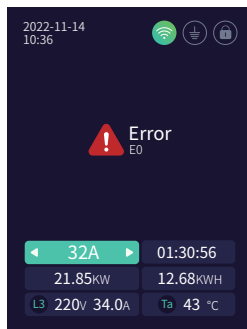
Enter the [Reset] page,
[WiFi Reset]: Unbind the device with APP,
[Factory Reset]: Clear the device data and unbind with APP.



About

Enter the [About] page to view the device information.

CHARGING FAILURE



 [Error] occurs on the device

Error code details are as follows:

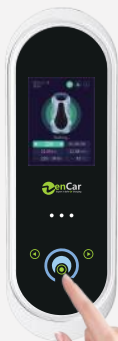
E0	Relay failure	E9	CP failure
E1	RCD self-check abnormality	E10	Ground protection (Ground Protection is turned on)
E2	Undervoltage protection	E11	Temperature sensor abnormal in power plug
E3	Overvoltage protection	E12	Leakage protection
E4	Leakage protection (Leakage Protection is turned on)	E15	Temperature sensor abnormal in PCB
E5	Overcurrent protection	E17	EV plug temperature protection
E6	Over temperature protection in PCB	E18	Temperature sensor abnormal in EV plug
E7	Over temperature protection in power plug		

TIMER FUNCTION (Basic version)

Before the charging is locked, click the middle button to enter the reservation charging. Click the right button once to increase by 1 hour, and exit the reservation after more than 12 hours; press the left button once to decrease by 1 hour, if the time is less than 1 hour, the left button has no response; the reservation charging can be set to 1-12 hours, and the system automatically calculates the charging start time.

⚠ If the device is used for the first time or has not been used for more than 20 days, please set the date after turning it on. Inaccurate time may affect the use experience.

⚠ Due to the characteristics of the battery, it is recommended to charge immediately after parking in winter.

Reservation status	No operation, then no reservation, charging starts immediately	
Click the middle button once	Enter the reservation charging, and charging starts after an hour	
Click the right button once	Add 1 hour	
Click the left button once	Reduce 1 hour	
Click the right button multiple times	More than 12 hours, exit the reservation, charging starts immediately	
Click the left button multiple times	Less than 1 hour, the left button has no response	

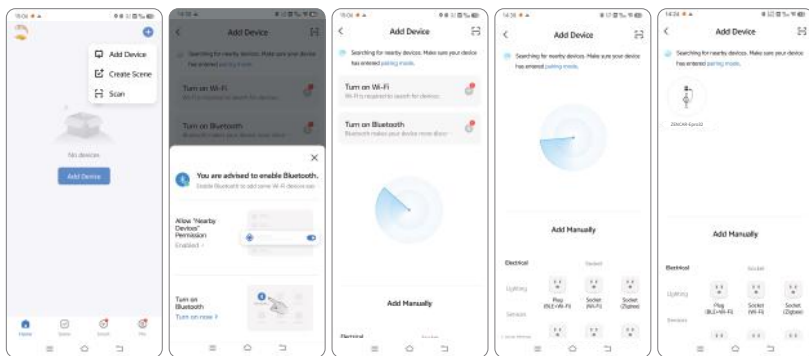
APP CHARGING GUIDE

1. Search APP "Smart Life" from APP Store or Google Play, or Scan below QR code to download the APP.



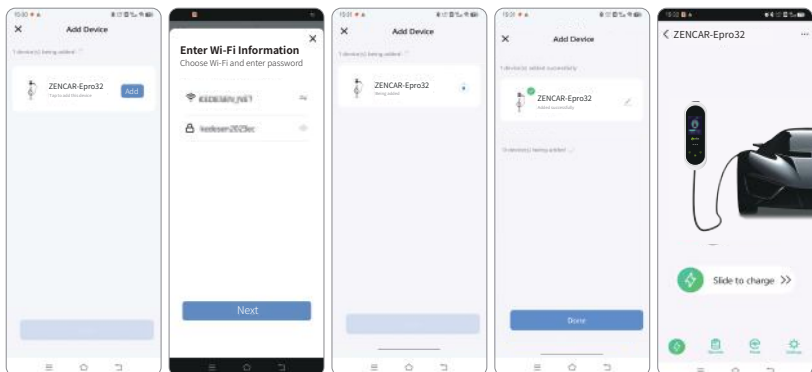
Smart Life QR Code

2. Turn on the WiFi, Bluetooth and Location on mobile phone.



Add device

- Click  or "Add Device" to enter [Add Device] page.
- Authorize APP to access Bluetooth and Location permissions, then click "Continue".
- Make sure the phone WiFi and Bluetooth are turned on, and wait for the device to be searched.
- Select the device.
- After the device icon shows up, click it to enter the APP and control the device on the mobile phone.



Smart Life QR Code

- [Add Device] page, click "Add".
- Enter name and password of WiFi, then click "Next".
- The network configuration of device starts and takes 1-2 minutes to finish.
- Configuration complete, click "Done" to enter the APP and control the device on the mobile phone.

3. APP control via Bluetooth

After the charging station has been successfully paired with the mobile phone, it can be controlled on APP via Bluetooth when there is no network.

- Make sure the EV charging station is powered on when configuring the network.
- If the device cannot be found in the APP, please check if the device has been bound and configured with other mobile phone.

START CHARGING

Method 1 - Plug & charge



- ① [Power on] Firmly insert the plug into the power socket.
- ② [Set amps] Set amps by clicking left and right buttons before plugging into the vehicle.
- ③ [Connection] Plug into the vehicle.
- ④ [Charging] Blue indicator flow, charging starts.

Method 2 -APP



- ① [Power on] Firmly insert the plug into the power socket.
- ② [Connection] Plug into the vehicle, waiting for operation on APP.
- ③ [APP operation] Slide to charge on APP.
- ④ [Charging] Blue indicator flow, charging starts.

Note: When connected to the Internet, the device cannot be plug & charge after the APP turns off the plug & charge mode.

STOP CHARGING



- ① Unlock the vehicle, pull the plug out from the vehicle socket.
- ② Put the cover on the EV plug.
- ③ Unplug the power plug.

QUALITY ASSURANCE

ZENCAR warrant that all EV chargers are with strict quality inspection and will provide maintenance for product quality problems caused by correct use within 1 year from the date of shipment.

This warranty does not cover any damage due to the following cases:

- 1.Improper handling,installation, use and maintenance by users.
- 2.The break down and the failure caused by the force majeure, such as direct damage and inability to function properly caused by natural disasters.
- 3.Products are filled with water or soaked in water.

This warranty does not include the cost of returning to the factory for repair.

This warranty is only valid to the original purchaser of the device and is not transferable.



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