

Level 2 EV Charger

User's Manual

*Please read the instructions carefully before using.



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Safety Caution

(*Please save these instructions)

IMPORTANT SAFETY INFORMATION

Save these important safety instructions. This document contains important instructions and warnings that must be followed when using this product.



WARNINGS

- △ Do not install or use this product near flammable, explosive, corrosive, or combustible materials, chemicals, or vapors.
- △ Please unplug the plug of the device when not in use for a longtime.
- △ Read all the instructions before using this product.
- △ This device should be supervised when used around children.
- △ Do not put fingers into the electric vehicle connector.
- △ Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
- △ Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
- △ Do not attempt to disassemble, repair, tamper with, or modify this product. This product is not user serviceable. This product must be grounded through a permanent wiring system or an equipment grounded conductor.
- △ Never spray water or any other liquid directly at the wall mounted control box,
- △ Never spray any liquid onto the charge handle or submerge the charge handle in liquid, Store the charge handle in the dock to prevent unnecessary exposure to contamination or moisture.
- △ Do not forcefully fold or apply pressure to any part of the product or damage it with sharp objects.
- △ The internal circuit has a high voltage, and the internal circuit must not be touched by hand.



Storage

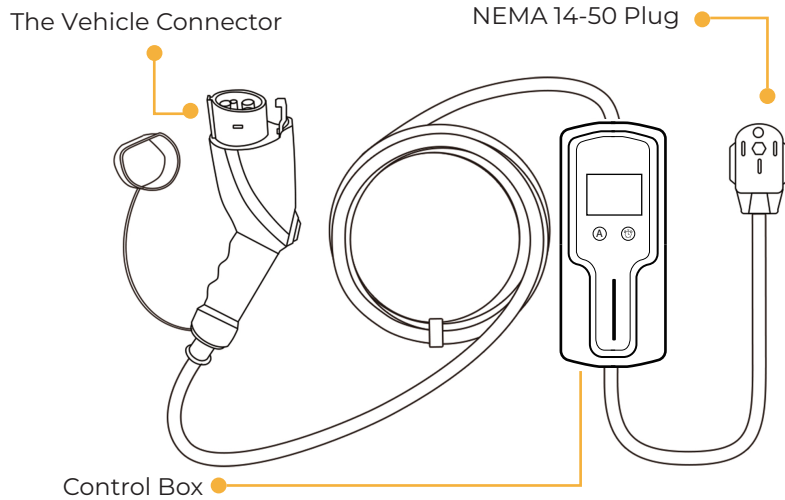
- △ Do not use private power generators as a power source for charging.
- △ Do not operate this product in temperatures outside its operating range of - 22°F to 122°F (- 30°C to ~50°C).
- △ Store this product in a clean dry place in temperatures between -40°F and 185°F (- 40°C ~ 85°C).



User Maintenance Instructions

- △ In order to ensure the applicable life of the product, such as use a dry rag to clean up surface stains.
- △ Check the product regularly for damage.
- △ This product does not support users to repair it themselves. In case of abnormal situations such as shell damage or wire damage, please contact your local after-sales service.

Product Appearance





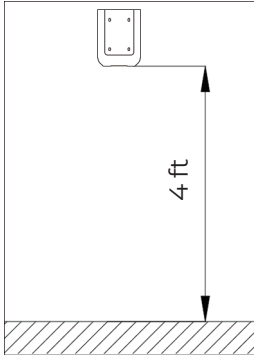
Product Specifications

Technical Features	Input Power	240V AC 50/60Hz
	Output Current	10A/16A/24A/32A/40A/48A
	Standby Power	<3W
	Certification	ETL
	Charge Interface	Type 1 Connector(SAE J1772)
	User Interface	LED,LCD,Touch Button
Physical Features	Dimensions	3.9*9.1*2.2 in (W*H*D)
	Weight	~2.2kg
	Protection	SSS
	Operating Temperature	-22°F~122°F(-30°C~50°C)
	Humidity	<95%RH
	Operating Altitude	≤6561 ft (2000m)
Safety Design	Cooling Method	Natural Cooling
	Over-Voltage Protection	
	Over-current Protection	
	Leakage Protection	
	Over-Temperature Protection	
	Lightning protection	
	CP Protection	

Fixing Method

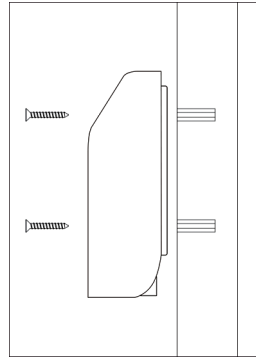
Step1

Locate and punch holes



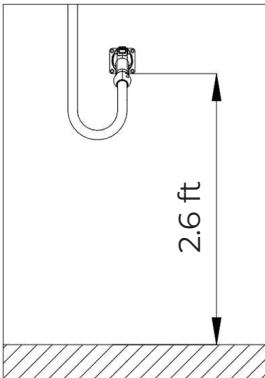
Step2

Install the fixed back (included)



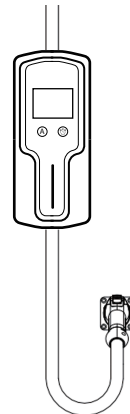
Step3

Install the Charging connector base (included)



Step4

Design sketch



*** The above is the recommended installation height, you can install it according to your actual needs.**

How to start charging

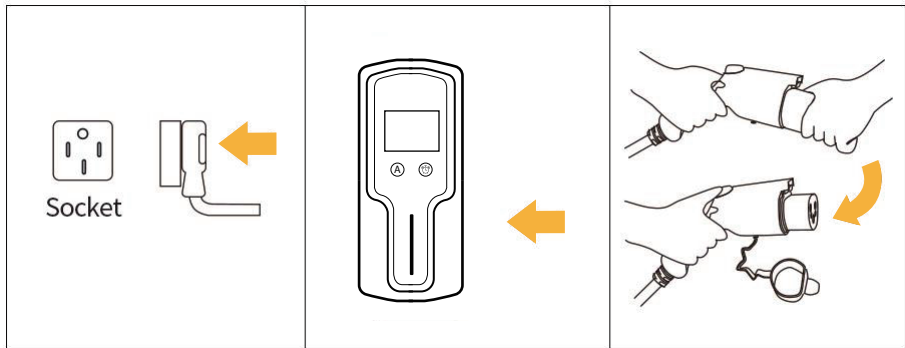


Fig1

Fig2

Fig3

1. Insert the plug into power-supply socket firmly(Fig1)
Ensure cable is in compliance with national standard.
2. Press the button [A] to switch charging current mode.
Press the button [CLOCK] to set the charging time (fig.2)
3. Pull the protective cap of the Vehicle Connector lightly and completely, then insert the Vehicle connector into your vehicle's outlet (fig.3). Ensure the Vehicle connector is fully inserted until it's locked.
4. The device starts charging automatically. If the "Auto-start" button in the web-control page is turned off, you have to use the web-control page to start charging, which is the anti-theft charging function.

How to stop charging

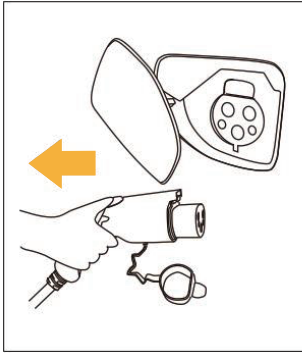


Fig4

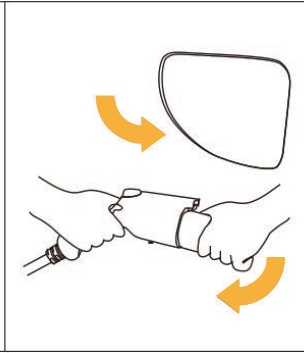


Fig5

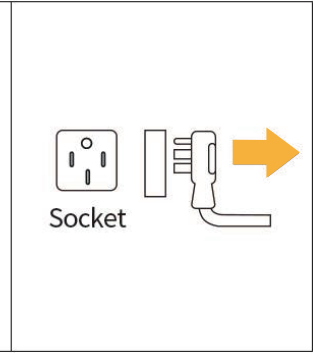
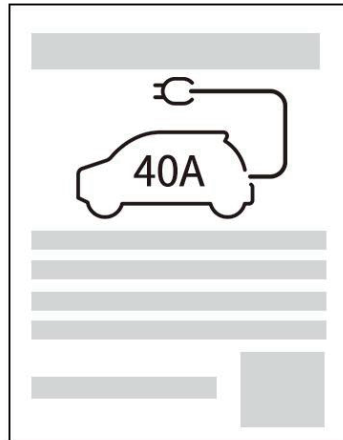
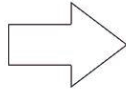
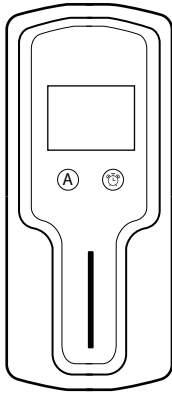


Fig6

1. When the charging pile is charging or completed, you can unlock the charging port in the vehicle's central control and pull out the connector, then close the protective cap of EV (Fig.4).
2. Close the charging port of EV and then put on the protective cap of vehicle connector (Fig.5).
3. Disconnect the plug from the power-supply socket (Fig.6).
4. Some car models will lock the vehicle connector when it is powered on. It is necessary to power off and then pull out the charger.



Current mode switching



Pressing the switch button [A]

Current mode switch

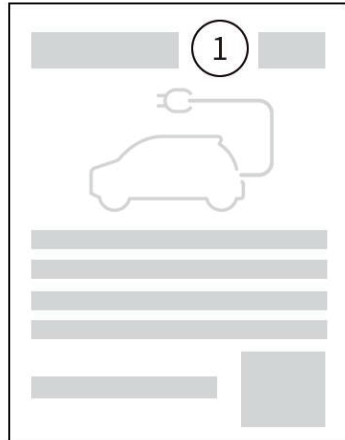
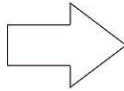
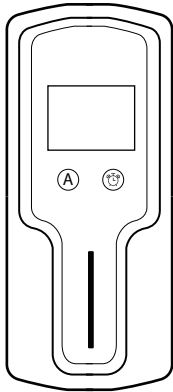
1. To switch the current, you need to have a password to enter. You can set a simple password. For example, press and hold the A button for three seconds to enter the password input interface, then press the A button three times, and press the timing button twice to unlock, you can switch the current.

(Please disconnect the vehicle before you switch the current mode)

2. The device supports 6 current modes of 10A/16A/24A/32A/40A/48A.

3. Insert the vehicle connector into the vehicle socket.

Timing Charging Setting

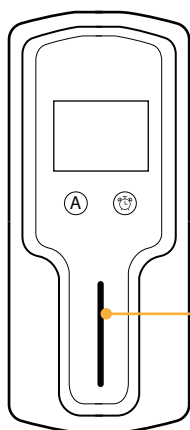
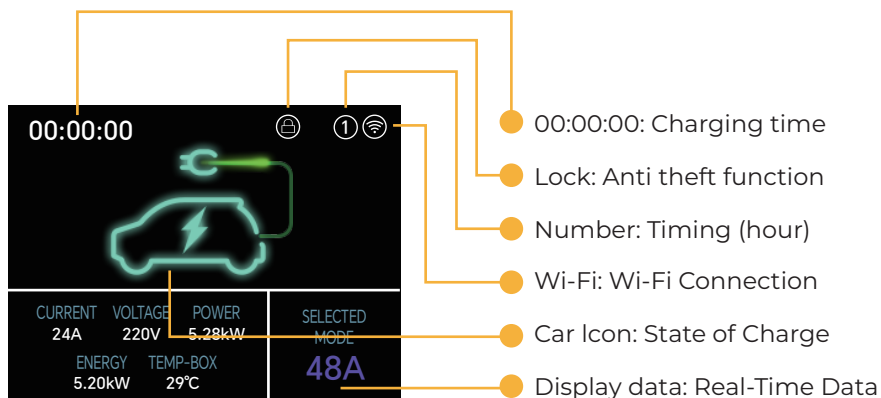


Pressing the switch button [clock]

Timing time

1. Please insert the power-supply plug into the power-supply socket firmly and disconnect the vehicle, then timing charging can be set by pressing the switch button [clock].
2. The timing time increases by 1 hour when you press the button once.
3. Insert the charging head into the vehicle socket.

●● Introduction Of Screen Display

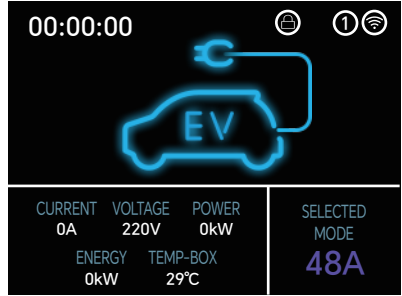


LED Indicator

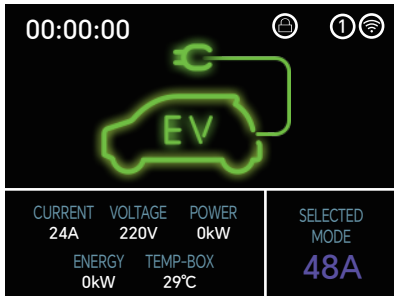
- Blue (Always on) | Unconnected
- Green (Always on) | Connected
- Green (Breathing) | Charging
- Red (Always on) | Fault



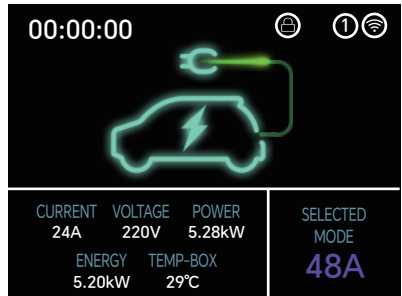
Loading...



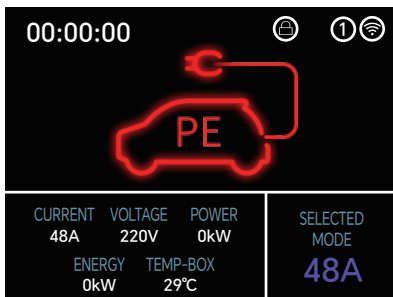
Unconnected



Connected



Charging



Fault

Wi-Fi Function Usage

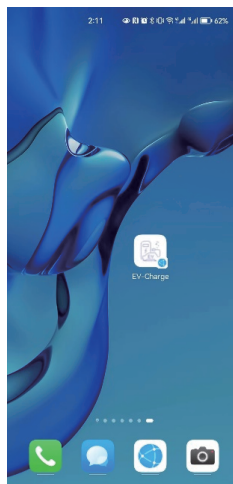
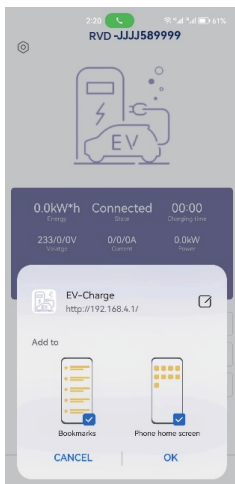
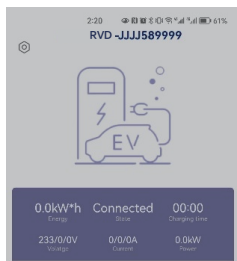
1) Connect to Wi-Fi, turn on mobile Wi-Fi, search and connect to Wi-Fi name starting with RVD-, initial password: 12345678 (Note: the mobile phone cannot access the Internet after connecting to Wi-Fi).



 Note: If your phone prompts you that this network is not available, whether to use it or whether to switch, please choose to continue using it or not to allow switching.

2) Open the mobile browser (Mobile phone's own browser is recommended) and enter the the "**http://192.168.4.1**" or use the browser scan code to open the web page.

 Tip: You can save this website as a bookmark, and next time you use it, open the browser after connecting to the charger Wi-Fi and click on the bookmark to open the web page. Some browsers also support adding bookmarks to the desktop. After connecting to the Charger Wi-Fi, we can simply click on the icon on the desktop to open the web page, just as convenient as using an APP.



3) Setting

Click the setting icon in the upper left corner of the main page to enter the setting page, which can be set to charge, view /clear accumulated electricity, modify Wi-Fi connection password, etc.

11:43		  
Close	192.168.4.1	AA 
Auto-Start		
Conn-Start		
History Energy	0.00 kW*h	
Clear Energy	>	
Change Password	>	
Factory CMD	>	

Auto-Start

① Turn on Auto-Start, you can plug and charge immediately.

② Set "Auto-start" off, the anti-theft charging function will be turned on. Then, plugging in the vehicle connector to start charging automatically is banned, you have to click the "Start" button in the web-control page to start charging.

Conn-Start

When the Conn-Start is opened, the mobile phone is connected to the charger hotspot (**required**), and the charging can be started automatically after inserting the charger.

AUTO-START	CONN-START	FUNCTION
ON	OFF	No need to enter the web and no need to share the same WiFi with the charger, just plug & go immediately
OFF	OFF	Need to go to the web page and manually click "START" to turn on the charging.
OFF	ON	Share the same WiFi with your charger, and you can charge without going to the web page

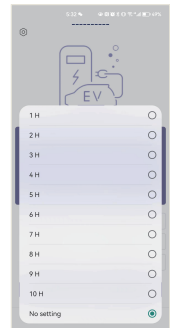
4) Start charging with your phone:



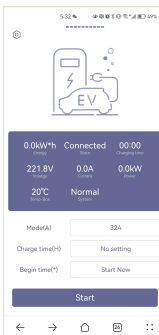
Home page



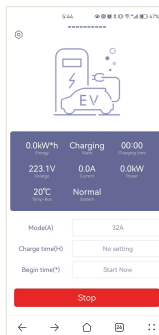
Current mode setting



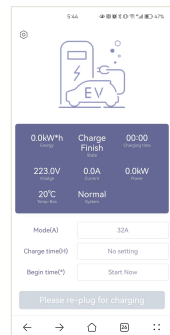
Set the charging limit time



Start charging



Charging



Stop charging

*Note: If you need to use your mobile phone to start or stop charging, please turn off "Auto-Start".

5) Reservation

You can realize the reservation function by setting the "Begin time". The setting steps are as follows:

- ① First insert the connector into the charging port.
- ② Then select the "Begin time" as required on the website.
- ③ When the countdown appears, the reservation is successful.

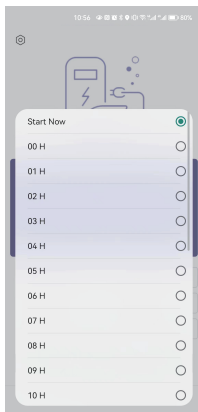
*Note:

To use the reservation function, you need to turn off "Auto-Start" and "Conn-Start".

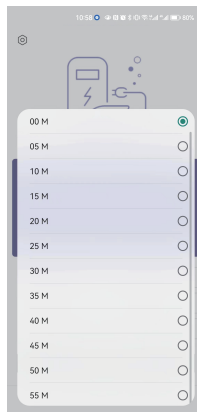
Some cars may not support the reservation function. If the reservation cannot be used normally, please set the "Begin time" to "Start Now".

There is no need to swipe the card after setting the reservation.

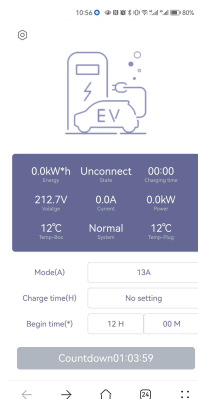
The setting is only valid for a single time. The device will record the setting time. If you need to charge at the same time next time, click "Start" on the web page.



Set hours



Set minutes



Reservation in progress

Troubleshooting

Error Codes	Reasons	Recommendation
CP	CP connection of vehicle connector is abnormal	1. Check whether the vehicle connector is connected correctly and reliably. 2. Power on the device again. 3. If the fault persists, contact us.
OV	The AC input voltage is too high	1. Please ask the electrician to test the input voltage. 2. If the input voltage is over $270\pm 3\text{VAC}$, wait for the voltage to drop below $270\pm 3\text{VAC}$.
UV	The AC input voltage is too low	1. Please ask the electrician to test the input voltage. 2. If the input voltage is below $90\pm 3\text{VAC}$, wait for the voltage to rise above $90\pm 3\text{VAC}$.
OC	The AC input current is too large	1. Immediately cut off the input power supply 2. Keep the vehicle connector disconnected from the vehicle. 3. Power on the charger again.
OT	The internal temperature is greater than 185°F	1. Check the installation environment of AC piles. Check whether there are heating devices or devices nearby. Ensure that the ambient temperature is below 122°F . 2. If the fault cannot be rectified, please contact us.



Make The Car Charging Safer

