Portable EV Charger Instructions

It is recommended to read the instructions before use

WARNING!

- Avoid immersing the AC charging connection device in water.
- Do not step on, pull, bend, or knot the charging cable.
- Do not insert foreign objects into any part of the Charging vehicle connector.
- Refrain from dropping the control box or placing heavy objects on its surface.
- Do not install or use the charger near flammable, explosive, harsh, or combustible materials, chemicals, or vapors.
- Ensure the operating ambient temperature of the equipment remains within the range of -35 °C to +55 °C.
- Don't use the charger when the vehicle,or the charger is exposed to severe rain.
- Do not use the charger if it is defective, appears cracked, frayed, broken, otherwise damaged, or fails to operate.
- 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 open, disassemble, repair, tamper with, or modify the charger.
- This product is exclusively designed for electric vehicle charging purposes.
- Avoid using external wires or adapters.
- This product must be well-grounded when used.
- Never insert your fingers into the charging plug.
- The EV charger is not self-serviceable eligible. Contact us at evsowsupport@163.com for repairs.
- If the device fails to charge normally as per the operation manual, please contact the seller or consider a replacement.
- Never allow children to play with the charger cable.
- To avoid the risk of fire or electric shock, do not use this device with an extension cord.
- Using a worn or damaged AC outlet may cause burns or start a fire.
- Risk of explosion. This equipment has an arc or sparking parts that should not be exposed to flammable vapors
- Risk of electric shock. Do not remove the cover or attempt to open the enclosure of the charger unit.No user-serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION!

Please Note Before Start Charging

Precautions 1:

* It is recommended that electrical outlets for your charger should be installed by a licensed and qualified electrician. To avoid serious injury or death; installation must comply with local codes.

*This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to help reduce the risk of electric shock.

Precautions 2:

* Ensure the power plug and socket are compatible before initiating the charging process.

*Do not charge if the socket is damaged, rusty, cracked, or has a loose connection. In case the socket is dirty or wet, please disconnect the power supply first. Wipe the charging plug with a dry and clean cloth to ensure it is dry and free from any debris.

*Verify that the charging connector, cable, control box, and plug surface are in good condition without any scratches, rust, breaks, or damages.

Charging box description / 3 /

Product parameters						
Power Rating	7KW		11KW		22KW	
APP	/	●	/	●	/	●
Type B RCD	●	●	●	●	●	●
Power supply system	Single Phase		Three Phase		Three Phase	
Rated voltage	85V-264V		380V±20%		380V±20%	
Rated current	8-10-13-16-20-24-32A		8-10-13-16A		8-10-13-16-20-24-32A	
Input Frequency	50/60Hz		50/60Hz		50/60Hz	
Protection level	IP65		IP66		IP66	
Operation Temperature	-35℃ ~ +55℃		-35℃ ~ +55℃		-35℃ ~ +55℃	
Storage Temperature	-40℃ ~ +80℃		-40℃ ~ +80℃		-40℃ ~ +80℃	
Standby power	<3W		<3W		<3W	
Operation Humidity	5%~95% non-condensation		5%~95% non-condensation		5%~95% non-condensation	
L*W*H	260*113*66mm		260*113*66mm		260*113*66mm	
Cable Specification	3G 6mm²+1*0.5mm²		5G 2.5mm²+1*0.5mm²		5G 6mm²+1*0.5mm²	

Power Rating	Level 2-7KW		Level 2-9.6KW		Level 2-12KW	
APP	/	●	/	●	/	●
Type A RCD	●	●	●	●	●	●
Power supply system	Level 1 or Level 2		Level 1 or Level 2		Level 1 or Level 2	
Rated voltage	85V-264V		85V-264V		85V-264V	
Rated current	8-10-13-16-20-24-32A		8-10-13-16-20-24-32-40A		8-10-13-16-20-24-32-40-50A	
Input Frequency	50/60Hz		50/60Hz		50/60Hz	
Protection level	IP65		IP66		IP66	
Operation Temperature	-35℃ ~ +55℃		-35℃ ~ +55℃		-35℃ ~ +55℃	
Storage Temperature	-40℃ ~ +80℃		-40℃ ~ +80℃		-40℃ ~ +80℃	
Standby power	<3W		<3W		<3W	
Operation Humidity	5%~95% non-condensation		5%~95% non-condensation		5%~95% non-condensation	
L*W*H	260*113*66mm		260*113*66mm		260*113*66mm	
Cable Specification	3G 6mm²+1*0.5mm²		3G 8mm²+2*0.5mm²		3G 10mm²+2*0.5mm²	

Charging box description

The device cannot adjust the current during charging.

1.Adjust Current
2.Long press for 5 seconds to recover sets
3.Secondary page down selection

1.Set Delay Time
2.Secondary page selection confirmation

1.Set Charging Time
2.Long press for 5 seconds to enter the settings page
3.Secondary page selection returns to the previous page

NO APP Version

Charging box description

The device cannot adjust the current during charging.

1.Adjust Current
2.Long press for 5 seconds to cancel APP connection and recover sets
3.Secondary page down selection

1.Set Delay Time
2.Secondary page selection confirmation

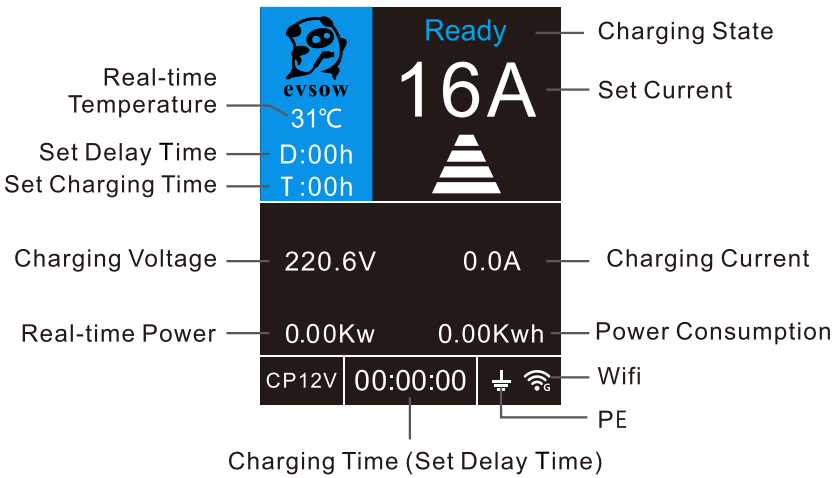
1.Set Charging Time
2.Long press for 5 seconds to enter the settings page
3.Secondary page selection returns to the previous page

WIFI APP Version

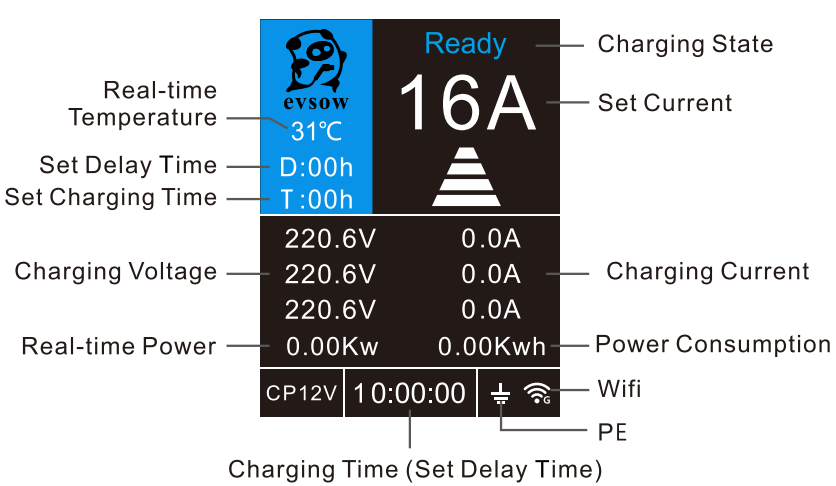
Thank you for purchase and use evsow mode II portable ev charger. It is recommended to read this manual before use.

Control Box LCD Display

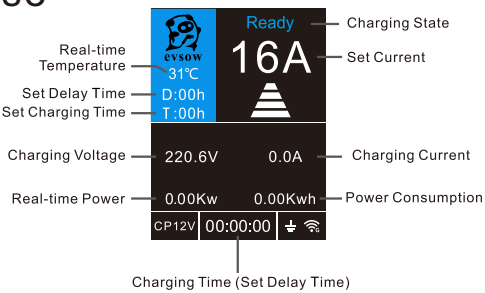
Single-phase

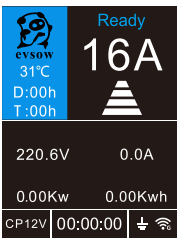


Three-phase

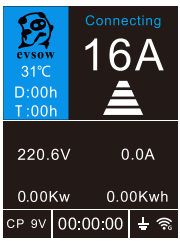


Single-phase

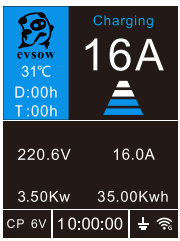




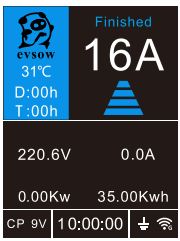
Ready to Charge



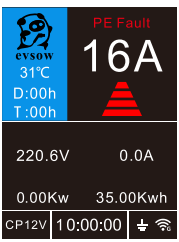
Communication Connecting



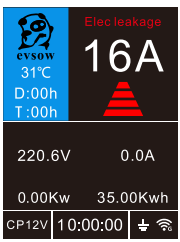
Charging



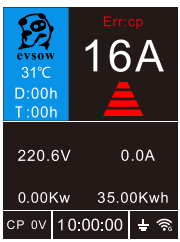
Charging Completed



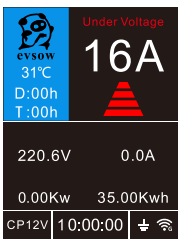
Missing of PE Protection



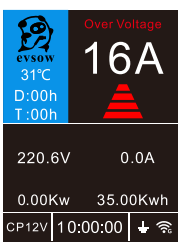
Leakage



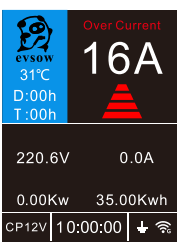
Signal Failure



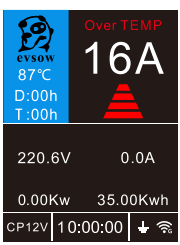
Under Voltage



Over Voltage

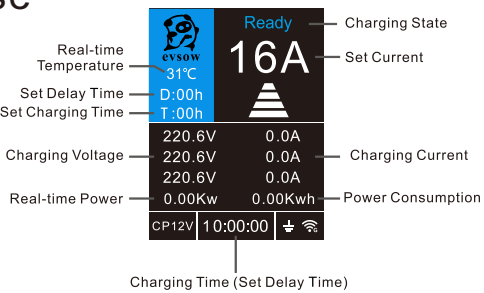


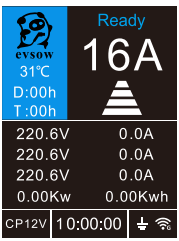
Over Current



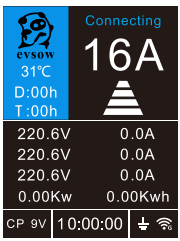
Over TEMP

Three-phase

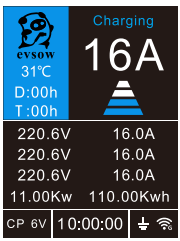




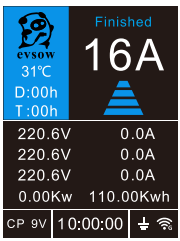
Ready to Charge



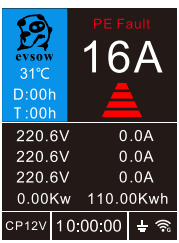
Communication Connecting



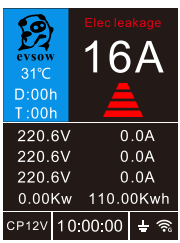
Charging



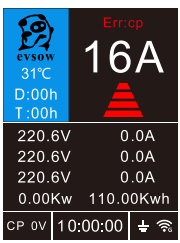
Charging Completed



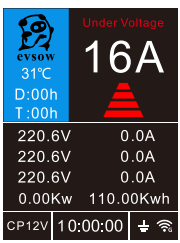
Missing of PE Protection



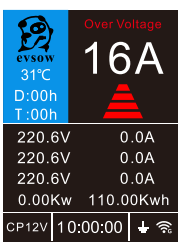
Leakage



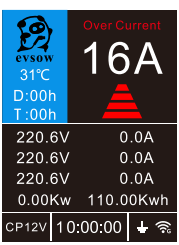
Signal Failure



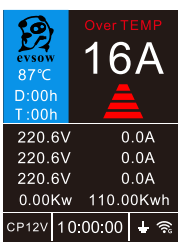
Under Voltage



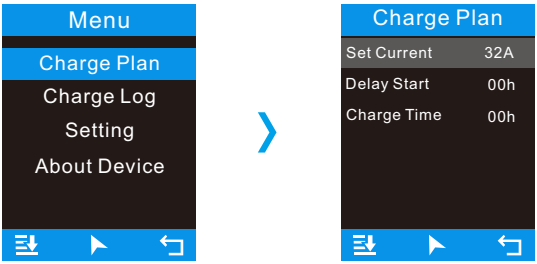
Over Voltage



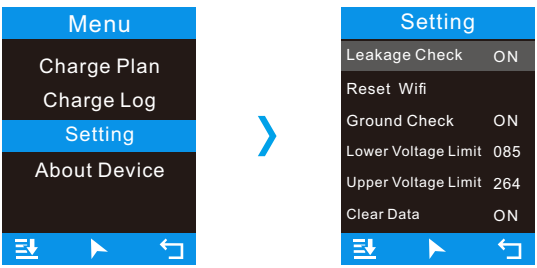
Over Current

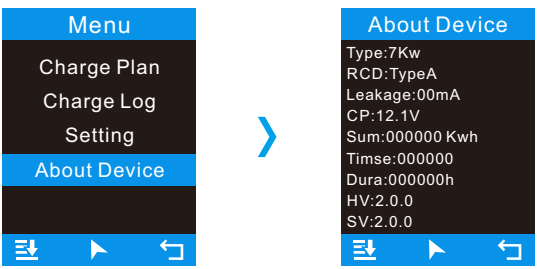


Over TEMP


Menu
Charge Plan
Charge Log
Setting
About Device
Charge Plan
Set Current 32A
Delay Start 00h
Charge Time 00h


Menu
Charge Plan
Charge Log
Setting
About Device
Charge Log
01.-C3-C1
02.-C3-C1


Menu
Charge Plan
Charge Log
Setting
About Device
Setting
Leakage Check ON
Reset Wifi
Ground Check ON
Lower Voltage Limit 085
Upper Voltage Limit 264
Clear Data ON


Menu
Charge Plan
Charge Log
Setting
About Device
About Device
Type:7Kw
RCD:TypeA
Leakage:00mA
CP:12.1V
Sum:000000 Kwh
Timse:000000
Dura:000000h
HV:2.0.0
SV:2.0.0

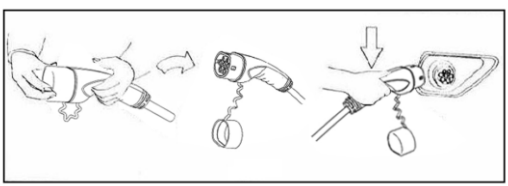
01 Adjust current

Tap button "A" to adjust the current before charging

The charging current set shouldn't be higher than the supply current, otherwise there may be a safety hazard.

02 Plug in the charging connector

Connect the charging plug to the EV (Start Charging)



END CHARGING

PLAN A

The charger will automatically stop charging when the car is fully charged,and it can be directly unplugged then.

PLAN B

Turn off the power switch to end charging
(then unplug the charger)

Do not unplug during charging

PLAN C

Stopping vehicle charging first: Locate the stop charging button or switch inside the vehicle or next to the door of the electric vehicle and touch or press it to stop charging the electric vehicle. Then unplug the charger connector.

7KW/9.6KW/12KW Control Box

hardware component			
Key type		Trigger event	Delay Time
Adjusting buttons		Click to adjust	0. 1s
Software part			
Status type	Set value	Action status	Delay Time
Charging control	Detection point 1 voltage value: 6±0.8V	The relay closes and enters t he charging state	0. 1s
	Detection point 1 voltage value: 9 ± 0.8V	Charge completed, relay disconnected	0. 1s
	Detection point 1 voltage value: 12 ± 0.8V	Socket not connected, relay disconnected	0. 1s
	Detection point 1 voltage value: others	Communication failure, relay disconnected	0. 1s
Overvoltage and undervoltage	Line voltage ≥ 264V	The relay is disconnected, and the relay is closed when it drops to 254V, infinite cycle	
	Line voltage ≤ 85V	The relay is disconnected, and when it rises to 95V, the relay is closed, infinite cycle	
	Line voltage within 85~264V	The relay is closed and enters the charging state	1s
Overcurrent protection ie=8, 10, 13, 16, 25, 32 40,50	The user sets charging current IE and line current I.when ie+8>i>ie+4, it lasts for 5S	The relay is disconnected, and it will automatically recover after 10s. If it still has overcurrent after 3 cycles, it will be permanently disconnected	5s
	The user sets charging current IE and line current I. when i>ie+8, it lasts for 1s	Relay permanently disconnected	1s
The leakage	Leakage current > (60Hz) TypeA AC 20mA Leakage current > (50Hz) TypeB AC 30mA+DC 6mA	The relay is disconnected and recovers automatically after 5min	1s
	The line has no leakage	The relay closes and enters the charging state	0. 1s
Electricity self-inspection	Self-checking normal	The relay closes and enters the charging state	1s
	Self-checking failure	Relay cut off	0. 1s

11KW/22KW Control Box

hardware component			
Key type		Trigger event	Delay Time
Adjusting buttons		Click to adjust	0. 1s
Software part			
Status type	Set value	Action status	Delay Time
Charging control	Detection point 1 voltage value: 6±0.8V	The relay closes and enters t he charging state	0. 1s
	Detection point 1 voltage value: 9 ± 0.8V	Charge completed, relay disconnected	0. 1s
	Detection point 1 voltage value: 12 ± 0.8V	Socket not connected, relay disconnected	0. 1s
	Detection point 1 voltage value: others	Communication failure, relay disconnected	0. 1s
Overvoltage and undervoltage	Line voltage ≥ 457V	The relay is disconnected, and the relay is closed when it drops to 440V, infinite cycle	
	Line voltage ≤ 147V	The relay is disconnected, and when it rises to 164V, the relay is closed, infinite cycle	
	Line voltage within 147~457V	The relay is closed and enters the charging state	1s
Overcurrent protection ie=8, 10, 13, 16, 25, 32	The user sets charging current IE and line current I.when ie+8>i>ie+4, it lasts for 5S	The relay is disconnected, and it will automatically recover after 10s. If it still has overcurrent after 3 cycles, it will be permanently disconnected	5s
	The user sets charging current IE and line current I. when i>ie+8, it lasts for 1s	Relay permanently disconnected	1s
The leakage	Leakage current > (60Hz) TypeA AC 20mA Leakage current > (50Hz) TypeB AC 30mA+DC 6mA	The relay is disconnected and recovers automatically after 5min	1s
	The line has no leakage	The relay closes and enters the charging state	0. 1s
Electricity self-inspection	Self-checking normal	The relay closes and enters the charging state	1s
	Self-checking failure	Relay cut off	0. 1s

How to use the APP

How to use the App (the device needs to have Wifi function, and Bluetooth function)

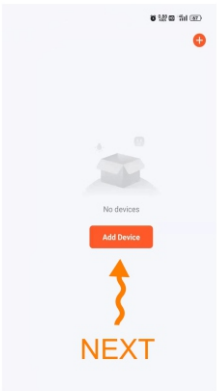
1.Please download the "Tuya Smart " or "Smart Life"App on your cell phone, the APP icon as shown above

tuya smart

Smart life

2. After downloading, open the app, turn on your phone WiFi and Bluetooth, select Add Device, and follow the instructions to complete Add a new device, as shown below:

1



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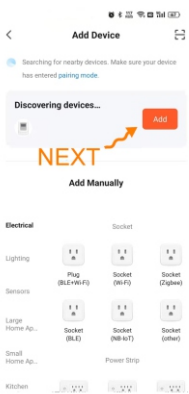

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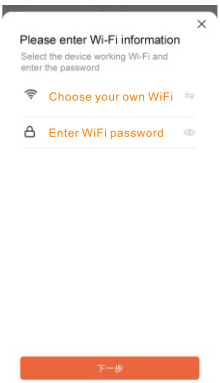

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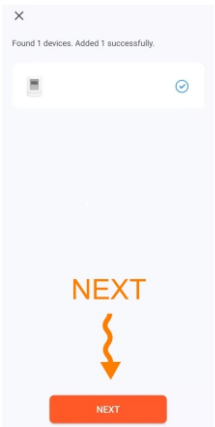

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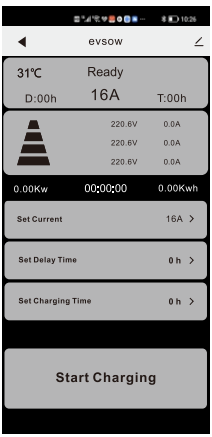

Customer Service Team

E-mail: evsowsupport@163.com

Warranty

One-Year Warranty

evsow offers a one-year warranty to customers who make purchased original evsow product.

Lifetime Technical Support

In case of any product-related issues, we encourage you to reach out to us, providing accompanying pictures and videos for further assistance.

Exclusions

The warranty does not cover:

- Any product damage resulting from failure to follow the recommended guidelines.
- Damage caused by unauthorized disassembly of the machine or seeking maintenance from a non-designated service center.
- Purchased not original evsow products.
- Any modifications or do-it-yourself alterations carried out without guidance from a licensed electrician.

APP Download QR Code

FCC 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.

Note: 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

Made in China