

USER MANUAL

Portable EV Charger



Product images are for illustrative purposes only and may differ from the actual product.

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Thanks for purchasing and using our portable ev charger. In order to help you properly use this product, please read this user manual carefully before charging.

Troubleshooting

DIAGNOSTIC	SUGGESTION
Have power, no connection	Connect the electric vehicle
Connection, no charging	Start charging
Charging	Keep the unit away from water
Finished Charging	Un-plug the power and take good care of the unit
Communication Fault	Check the car side whether it is connected
Overload Protection	Check circuit and socket; Un-plug & re-plug the charger
Abnormal Current (SCP)	Check circuit and socket; Un-plug & re-plug the charger
Leakage Protection	Check circuit and socket; Un-plug & re-plug the charger
Overvoltage/Undervoltage Protection	Check circuit and socket; Un-plug & re-plug the charger
Unit Overheating Protection	To restart, un-plug for a time then re-plug the charger

Storage

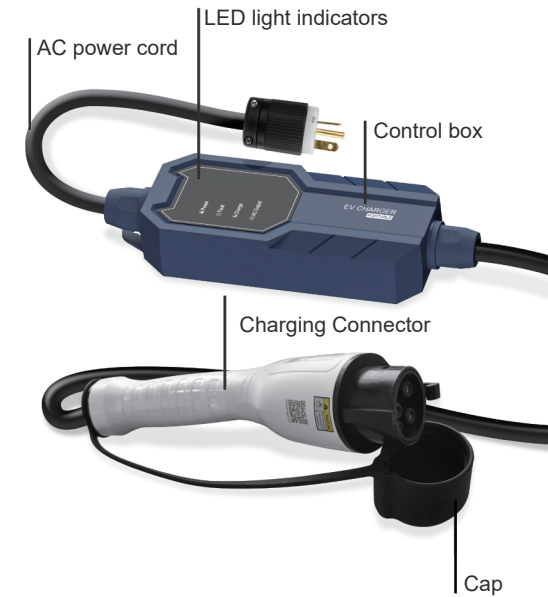
The SAE J1772 / IEC 62196 AC EVSE Portable Electric Vehicle Charger must be stored in a clean and dry location, and it must be located away from any high heat sources. Avoid oily or corrosive substances from contacting the ev charger or the power cords and plugs/connectors between uses. Avoid any fall or drop that can lead to impacts between a hard surface and the ev charger. Make sure there is no contact of any sharp object with the ev charger or the power cords or plugs/connector. Do not store the ev charger in a location where rodents have access, such as an exterior shed.

Specification

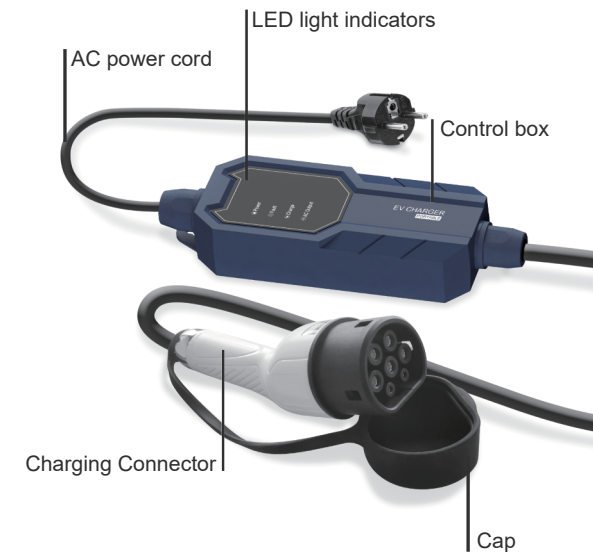
Electrical Characteristics Specifications		
Model	8A Type	16A Type
Max AC Charging Current	8A	16A
Circuit Breaker Requirements	≥10A	≥18A
Over Current Protection	>10A	>18A
Input Voltage	100-245 Vac Single Phase	
Working Frequency	50Hz/60Hz	
Operating Temperature	-30°C to +50°C	
Stand by Power	<2W	
Input Power Consumption (While charging)	<7W	
Over Voltage Protection	> AC 265V	
Under Voltage Protection	<AC 90V	
Terminal Temperature Rise	<50K	
Insulation Resistance	>1000MQ(DC500V)	
Earth Leakage Circuit Breaker	IAn 30mA, manual recovery after protection triggers	
Control Box Function	Leakage protection (restart recover) Over voltage under-voltage protection (self-checking recover) Lightning protection Overheat protection	
*Ground Fault Detection	When ground fault is detected, the red indicator light will flash. The charging function will still work.	

Product Descriptions

Type I



Type II



Warning

- Do not install or use the charger near flammable, explosive, harsh, or combustible materials, chemicals, or vapors.
- Turn off input power at the circuit breaker before cleaning the charger.
- Use the charger only within the specified operating parameters.
- Do not attempt to open, disassemble, repair, tamper with, or modify the charger. The charger is not user serviceable.
- Do not use the charger when either you, the vehicle, or the charger is exposed to severe rain, snow, electrical storm or other severe weather.
- Do not forcefully pull the charge cable or damage it with sharp objects.
- Do not insert foreign objects into any part of the charging vehicle connector.
- Using with a worn or damaged AC outlet may cause burns or start a fire.
- If the AC power cord is hot while charging, unplug the unit and replace the AC outlet.

Grounding Abnormal

***Grounding (FG/PE) Abnormal (Error Message 5)**

When ground fault is detected, the red indicator light will flash (5 times). It's just a reminder. The ev charger will operate normally without the ground wire because it is not a part of the conducting path which supplies electricity to the appliance. We suggest your outlet should be grounded.

Action You Need To Take:

Find an electrician to check if the ground wire of the home outlet is connected.

Why is grounding important?

The most important reasons for grounding wire is that it can protect your ev charger, your home and everyone in it from surges in electricity. If your electrical system is grounded, all of that excess electricity will go into the earth — rather than frying everything connected to your system.

LED Display Status

EV Charging / Control Box				
Working Status	Indicators/Status			
	LED1 (Green)	LED2 (Red)	LED3 (Green)	LED4 (Green)
Initial Startup	ON	ON(2s)	ON(2s)	ON(2s)
Power ON	ON	OFF	OFF	OFF
Charging coupler is connected (Ready for charge)	ON	OFF	ON	OFF
Charging	ON	OFF	Flash (0.5s)	ON
Charging Complete	ON	OFF	OFF	OFF
Error Message 1: (Input voltage is abnormal)	ON	Flash(0.2s) 1time	OFF	OFF
Error Message 2: (Over current protection)	ON	Flash(0.2s) 2time	OFF	OFF
Error Message 3: (CP signal is abnormal)	ON	Flash(0.2s) 3time	OFF	OFF
Error Message 4: (Leakage current protection)	ON	Flash(0.2s) 4time	OFF	OFF
Error Message 5: Grounding(FG/PE)abnormal	ON	Flash(0.2s) 5time	OFF	OFF

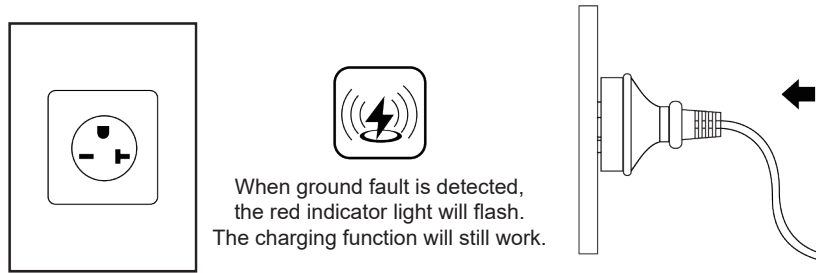
* When the red light flashes, it is highly suggested that users stop charging.

! Caution

- Do not operate the charger in temperatures outside its operating range of -22°F (-30°C) to 122°F (50°C).
- Ensure that the charge cable is positioned so it will not be stepped on, tripped over, or subjected to damage or stress.
- To reduce the risk of electrical shock, please connect to properly grounded outlets.
- Never leave children unattended while the vehicle is charging and never allow children to play with the charge cable.
- If the plug provided does not fit the outlet, do not modify the plug, arrange for a qualified electrician to inspect the outlet.
- This equipment should be installed, adjusted, and serviced by qualified electrical personnel familiar with the construction and operation of this type of equipment and the hazards involved. Failure to observe this precaution could result in death or severe injury.
- Lockout all electrical source circuit feeding the charging unit in the open position before beginning wiring or terminations. Failure to follow the instructions could result in server bodily injury or death.

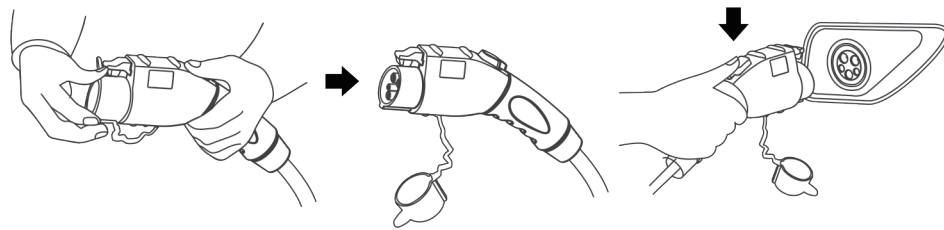
How to Start/Stop Charging

1. Firmly insert the power plug into the outlet.



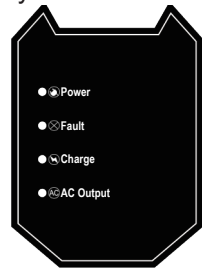
(Fig.1)

2. Take off the cap and then insert the EV charging connector into your vehicle.

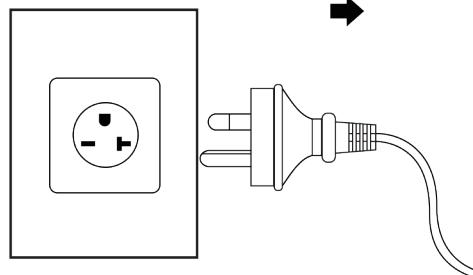


(Fig.2)

3. The device starts charging automatically while the green CHARGE LED blinks in every 0.5s.



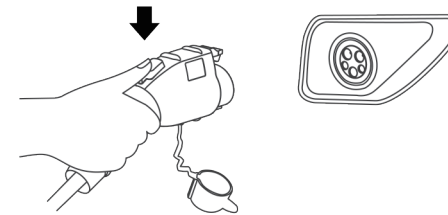
(Fig.3)



(Fig.4)

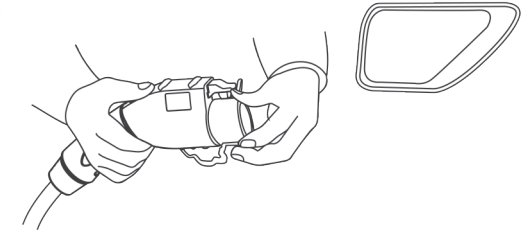
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5. Press the button and pull the EV charging connector out of the vehicle.



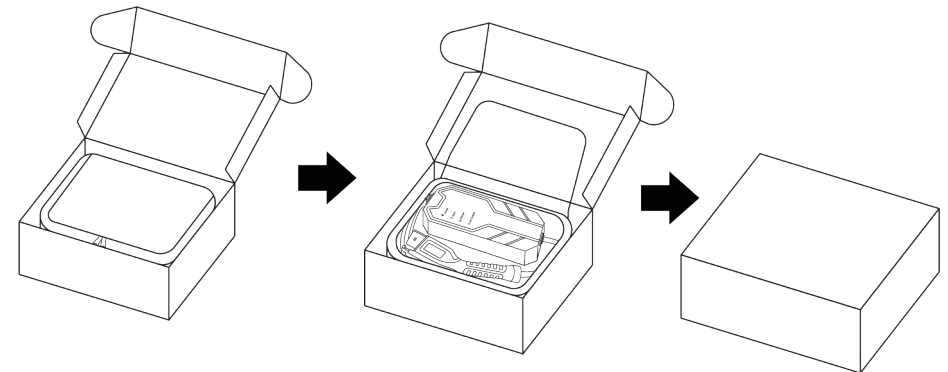
(Fig.5)

6. Close the cap of the vehicle and then place back the cap of the EV charging connector.



(Fig.6)

7. Put the portable EV charger into the box.



(Fig.7)

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