

USER MANUAL

AC EV Charger

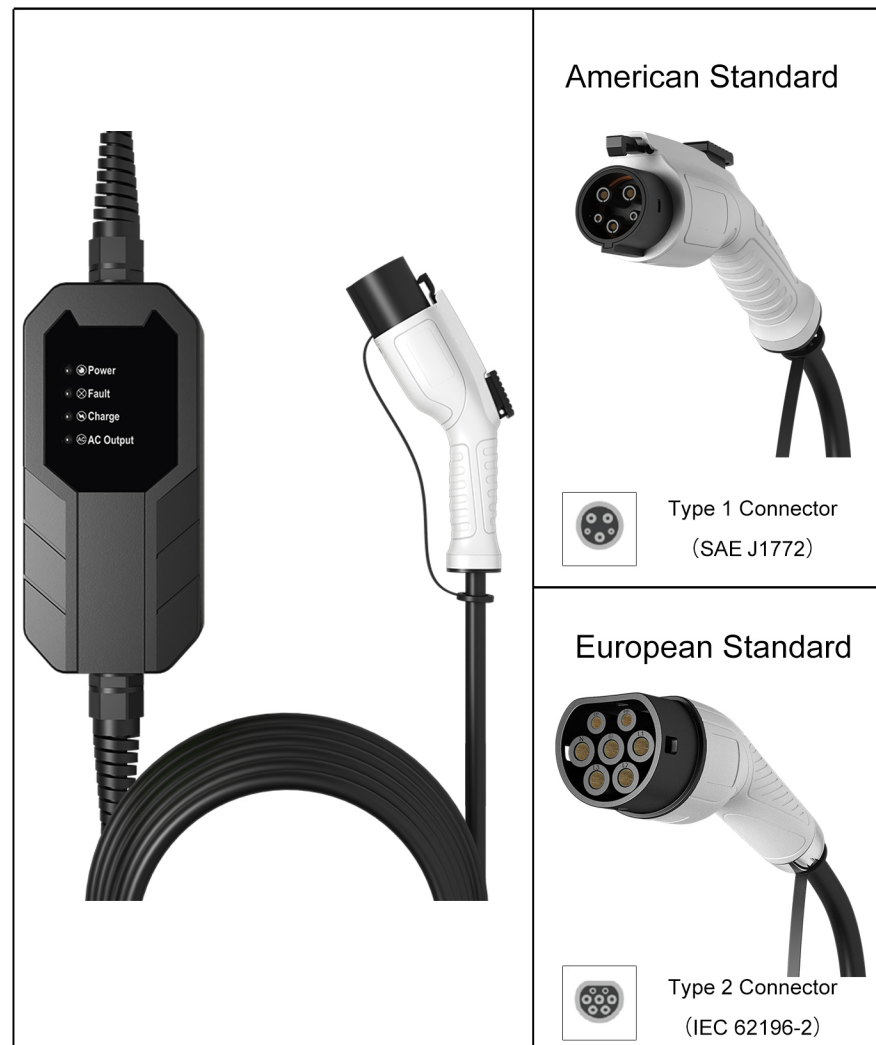


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Product images are for illustrative purposes only and may differ from the actual product.

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Tips: Due to different processes, the actual length may have a +/-5% difference.

Important Safety Instructions

Please read these important Safety Instructions and the charging instructions in your vehicle owners manual before charging your electric vehicle. Failure to do so can result in death or serious injury. Save this user guide for future reference. There are many safety features built into the charger. Read all the safety information and warnings in this guide to be aware of any hazards and risks associated with using the charger.

Warning

1. Do not insert foreign objects into any part of the charging vehicle connector.
2. Do not touch the charger end terminals with sharp metallic objects.
3. Do not forcefully pull the charge cable or damage it with sharp objects.
4. Do not install or use the charger near flammable, explosive, harsh, or combustible materials, chemicals or vapors.
5. Do not attempt to open, disassemble, repair, tamper with, or modify the charger.
The charger is not user serviceable, contact us for any repairs.
6. 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.
7. Risk of electric shock. Do not remove cover or attempt to open the enclosure of the charger unit.
8. To reduce the risk of electrical shock, connect only to properly grounded outlets.
9. Never leave children unattended while the vehicle is charging and never allow children to play with the charge cable.
10. 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 severe bodily injury or death.

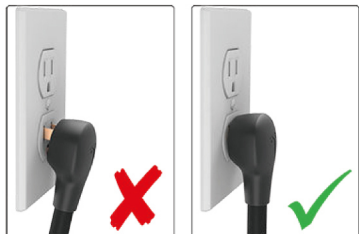
⚠ Caution

1. Use the charger only within the specified operating parameters.
2. The charger is designed only for vehicles that are compatible with the local charging standard.
3. Always connect the charger to a properly grounded electrical outlet.
4. If the AC power cord is hot while charging, unplug the unit and replace the AC outlet.
5. Using with a worn or damaged AC outlet may cause burns or start a fire.
6. When transporting the charger, handle with care and do not subject it to strong force, or stop on the charger.
7. Do not use the charger if it is defective, appears cracked, frayed, broken or otherwise damaged, or fails to operate.
8. If the plug provided does not fit the outlet, do not modify the plug, arrange for a qualified electrician to inspect the outlet.
9. Turn off input power at the circuit breaker before cleaning the charger.
10. Improper charger installation and testing can damage the vehicle's battery or the charger. Any resulting damage is not covered by the charger's warranty.

Specification

Electrical Characteristics Specifications

Model	8A Type	10A Type	16A Type
Max AC Charging Current	8A	10A	16A
Over Current Protection	>10A	>12A	>18A
Input Voltage	100-245 Vac Single Phase		
Working Frequency	50Hz/60Hz		
Operating Temperature	-22°F(-30°C) to 122°F(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	I Δ n 30mA, manual recovery after protection triggers		
Control Box Function	Leakage Protection Over-Voltage Protection Under-Voltage Protection Lightning Protection Overheat Protection Over-Current Protection Grounding Detection		
*Ground Fault Detection	When ground fault is detected, the red indicator light will flash. The charging function will still work.		

**STEP 1**

Plug into wall outlet

**STEP 2**

Insert charging connector into the vehicle charging port

**STEP 3**

Start charging process

**STEP 4**

When vehicle is finished charging,
unplug and put the charging connector
into the wall-mounted holster

LED Display Status**EV Charging / Control Box**

Working Status	Indicators/Status			
	LED1 (Green)	LED2 (Red)	LED3 (Green)	LED4 (Green)
Initial Startup				
Power ON				
Charging coupler is connected (Ready for charge)				
Charging				
Charging Complete				
Input voltage is abnormal				
Over current protection				
CP signal is abnormal				
Leakage current protection				
Grounding(FG/PE)abnormal				

LED Description

ON		
OFF		
flashes every 0.2s		
flashes every 0.5s		

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