

Wall EV Charger User Manual

Current: ☐32A ☐40A ☐48A



Temperature
Protection



Auto
Repair



Efficient
Charging



Protection
Level IP54



RCD



High End
MCU



Under Voltage
Protection



Over Voltage
Protection



Short Circuit
Protection



Earth Leakage
Protection






Lightning
Protection



Over Load
Protection

Symbol Meaning

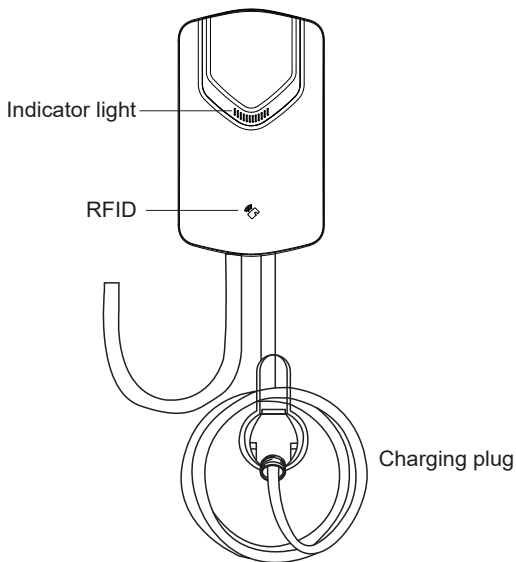
Symbol	Meaning
 	"Non-recyclable" mark: located on the product, instruction manual or package, indicating that electrical and electronic equipment and its accessories should be treated separately from ordinary household waste. When scrapped, it should be treated as industrial waste, otherwise it may cause accidents.
	Warning sign: indicates danger. Pay attention to the personal injury that may be caused by operation procedure or incorrect operation. Actions after the "warning" mark can only be performed when the conditions indicated by the condition are fully understood and satisfied.

The company is committed to the continuous improvement and update of the product, product hardware and software will continue to upgrade, the information provided is subject to charge without prior notice.

Version:V2.0

Revision date:2023-01

Product Overview



Appearance of Wall AC Charger

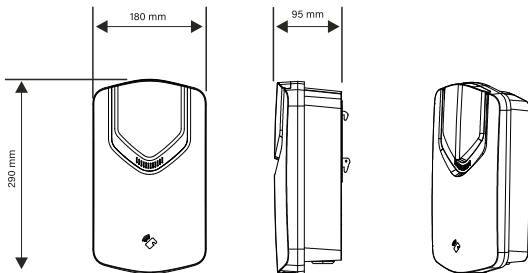
Product Overview

- This product is a AC charging station, mainly used for AC charging of electric vehicles. The product is composed of charging station body, wall-hanging backboard, floor-to-ground column (optional), etc., with charging protection, charging by swiping card. This product adopts industrial design principle, easy to install and easy to use.
- Exterior: Exquisite and light, a variety of color options, suitable for different application scenarios.
- Protection: level of protection IP54(waterproof and dust-proof), can withstand wind, rain and sun exposure.
- Operation: The head of the charger is designed to open the cover with one button. The operation is simple and convenient, namely plug and play.
- Safety: multiple protection,safety upgrade, high quality materials, fireproof, waterproof and dust-proof.
- Commonality: Small body, big energy, compatible with 99% of the new energy vehicles.
- Quality: Pure copper wire without oxidation, comply with inspection standard, flame retardant impact resistance.

Dimensions

Size: 290x180x95

Measurement Unit: mm



Product Parameter

Charging Device	Rated current	32A	40A	48A
	User Interface	Indicator light		
	Cable routing	Bottom inlet wiring, Bottom outlet wiring		
	Charging model	card swipe		
	Dimension	290x180x95mm		
	Input voltage	Level 1: 100-120V; Level 2: 200-240V		
	Input frequency	50/60Hz		
	Output voltage	Level 1: 100-120V; Level 2: 200-240V		
	Charging Wire length	15/20/25/30FT		
Protection Design	Over-current protection value	$\geq 110\%$		
	Over-voltage protection value	270Vac for Level 2; 140Vac for Level 1		
	Under-voltage protection value	190Vac for Level 2; 90Vac for Level 1		
	Over-temperature protection value	185°F		
	Electric leakage protection value	30mA AC+6mA DC		
Environmental indicators	Work temperature	-22°F~122°F		
	Work humidity	-5%~95% non-condensation		
	Work altitude	<2000m		
	Protection Level	IP54		
	Cooling Model	Natural cooling		
	MTBF	50,000 hours		

Installation

1

Fix the PLATE
with SCREWS
on the wall



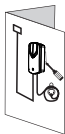
2

Place STATION
onto
PLATE on the wall

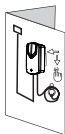


3

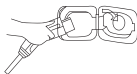
Assemble the ANTI-THEFT
SCREW from side



Steps for Usage



1. Make sure the charging box
is connected power.



2. Connect the EV and the charging box
with the EV charging cable.



3. Use swipe card to start.



4. The vehicle is charged normally.



5. Swipe the card to end.

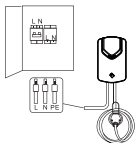


6. Unplug the device and wrap
the cable around the hook.

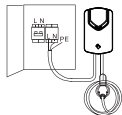
NOTE:

1. After the vehicle is fully charged, the device will automatically stop charging.
2. Please read the instructions carefully before use.

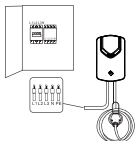
Steps For Power Wiring (Level 1)



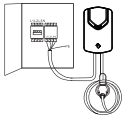
If a power distribution box is used, the L, N, and PE ends of the input cable of the plug correspond to the L, N, and PE ends of the circuit breaker respectively.



Steps For Power Wiring (Level 2)



If a power distribution box is used, the L1, L2, and PE ends of the input cable of the plug correspond to the L1, L2, and PE ends of the circuit breaker respectively.



Warning And Cautions

- For use only in the environment with RCD residual current protector;
- Do not use the device when the charging cable is damaged;
- For electric vehicle charging only;
- The product must be well grounded when used;
- It is strictly prohibited to step on the charging cable, pull the cable, bend or knot the cable.
- Do not put your finger into the charging plug.
- Do not connect the circuit by yourself without the guidance of a professional.
- Do not use when the inside of the charging plug is wet.
- Do not install by yourself before reading the installation instruction.
- Do not use for other purposes except for electric car charging.
- SPECIAL ATTENTION: Do not try to disassemble the device by yourself under any circumstances, this may cause damage to the internal precise parts, and you will not be able to enjoy after-sales service.

Fault Indicator Prompt

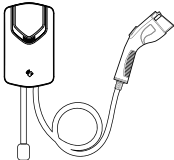


Working state	Red	Green	Blue
Power On(Unplugged)	/	Stays On	/
Insert the Plug(Uncharged)	/	Flashing	/
Charging Mode	/	/	Flashing
Charging Completed	/	/	Stays On
Leakage Protection	Flash for 1	/	/
Over Current Protection	Flash for 2	/	/
Ground Fault(Ungrounded)	Flash for 3	/	/
Under/Over Voltage Alarm	Flash for 4	/	/
Relay Failure	Flash for 5	/	/
CP Error	Flash for 6	/	/

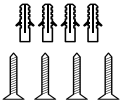


Remark: Error frequency is flashing certain times with 200ms interval, continuous loop with 1s interval.

Common Trouble Handling

Fault	Reasons	Suggestions
Excessive Leakage Current	Excessive Leakage Current	1. Disconnect the leakage/over current protection switch of the distribution box immediately.
		2. Check whether the AC charger output line is damaged or has low impedance to the ground or short circuit.
		3. Check the inlet socket of the vehicle is in good condition or not.
		4. After troubleshooting the above problems, power on again. If the problem still exists, please contact us.
AC Overcurrent	High Input Current	1. Disconnect the leakage/over current protection switch of the distribution box immediately.
		2. Check whether there is low impedance or short circuit between the two output lines of AC charger.
		3. After troubleshooting the above problems, power on again. If the problem still exists, please contact us.
Ground Fault	Failure Grounding do Input/ Output Line	1. Disconnect the leakage/over current protection switch of the distribution box immediately.
		2. Check whether the input/output line of the AV charger is grounded properly or not.
		3. After troubleshooting the above problems, power on again. if the problem still exists, please contact us.
AC Under-Voltage	Low Input Voltage	1. If the voltage is lower than 190Vac for level 2 and 90Vac for level 1 for a short period of time, the charger will stand by and check the power network to restore itself to the normal voltage range, then the charger will automatically rework.
		2. If the voltage in this area/community is under-voltage for a long time(under 190Vac for level 2 and 90Vac for level 1), then wait to use the charger only after the voltage recovers back to normal range.
AC Over-Voltage	High Input Voltage	1. If the voltage exceeds 270Vac for level 2 and 140Vac for level 1 for a short period of time, the charger will stand by and check the power network to restore itself to the normal voltage range, then the charger will automatically rework.
		2. If the voltage in this area/community is over-voltage for a long time(over 270Vac for level 2 and 140Vac for level 1), then wait to use the charger only after the voltage recovers back to normal range.
Relay Failure	Relay Failure or Adhesion	1. Restart the charger, let the charger run itself check and repair.
		2. If fault persists. please contact us.
CP/CC Error	Charger CP/CC Connection Error	1. Check whether the connection of charging plug with the inlet socket of vehicle is tight and reliable or not.
		2. If the fault persists, please contact us.

WHAT'S IN THE BOX

		
<p>Charging station + charging plug x 1</p>	<p>RFID card x 2</p>	<p>Hanging board x 1</p>

 <p>M3.5*35mm</p>	 <p>M3*10mm</p>	
<p>Rubber plugs + Screws for hanging board x 4</p>	<p>Side anti-theft screws for hanging board x 2</p>	<p>User manual</p>

