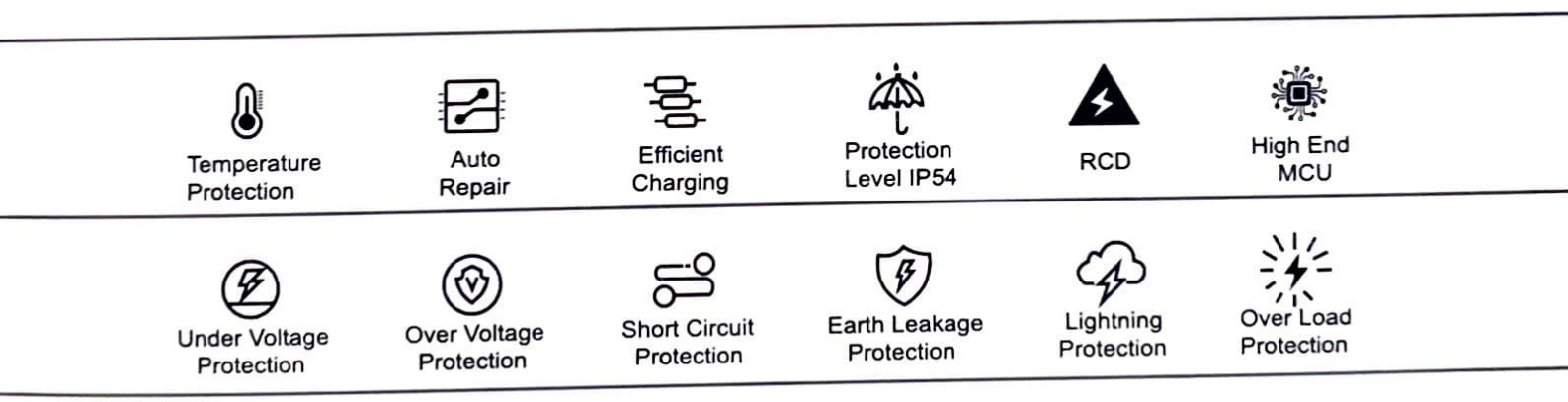
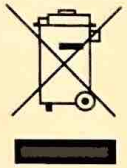
Wall EV Charger
User Manual

Power: ☐7kW ☑11kW ☐22kW



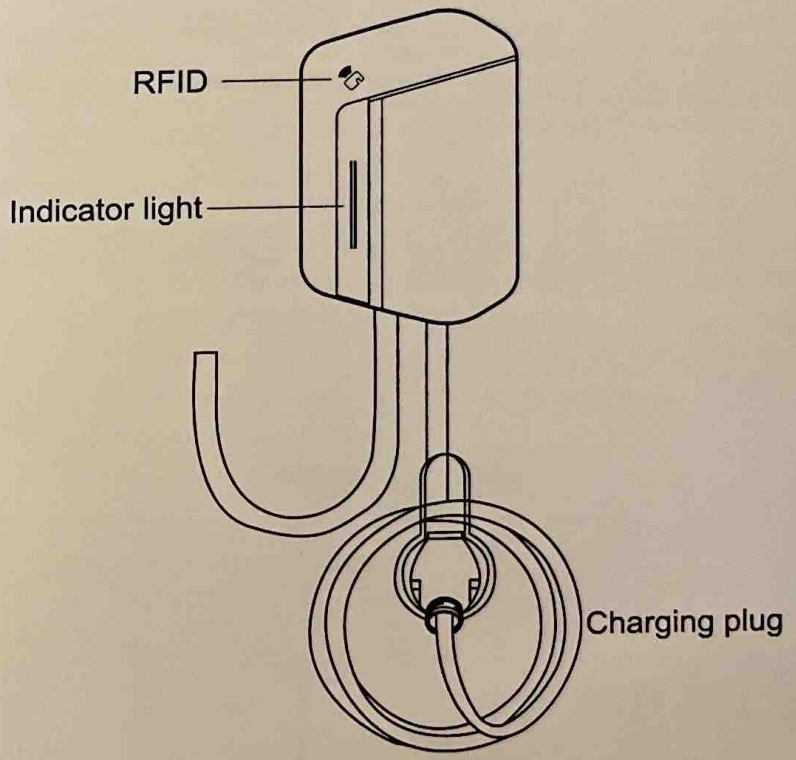
Symbol Meaning

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 scrrapped, 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.

Version:V2.0

Revision date:2023-01

Product Overview



Appearance of Wallbox 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), etx., with charging protection, charging by swiping card. This product adopts industrial design principle, easy to install abd easy to use.

Exterior: Exquisite and light, a variety of color options, suitable for different application scenanos.

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 bottom. The operation is simple and convenient, namely plug and play.

Safety: multiple protection,safety upgrade, high quality materials,fireproof, waterproof and dust-proof

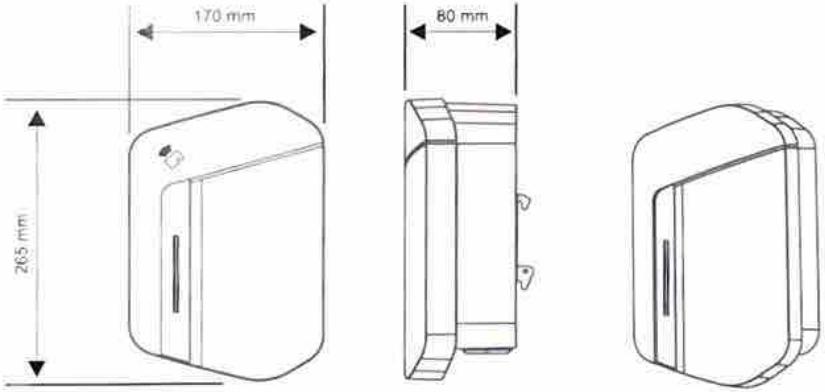
Commonality: Small boby, big energy, compatible with 99% of the new energy vehicles.

Quality: Pure copper wire without oxidation, comply with inspection standard, flame retardant impact

of the charger meets the requirements《IEC 62196-2-2011 Plugs, socket-outlets,vehicle ... inlets-Conductive charging of electric vehicles Part 2》 relevant regulation.

... of 1.1.2012 Electic Vehicle Conductive Charging System Part 1》 relevant regulation,

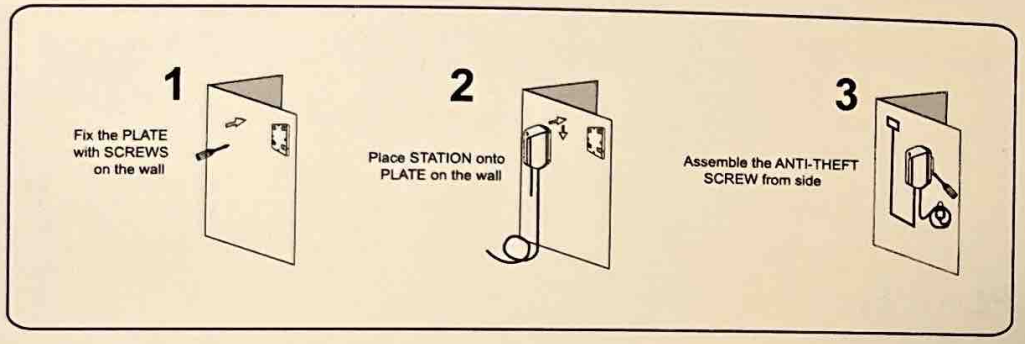
... "Electric Vehicle Charging Facilities Typical Design" part of the function of the ... meet the national and industrial standards for electric vehicles



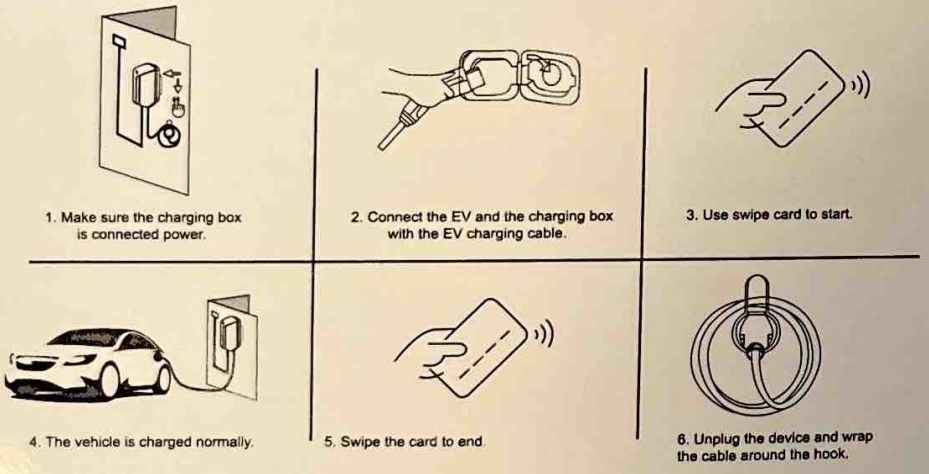
Product Parameter

Charging Device	Rated Power	7kW	11kW	22kW
	User Interface	Indicator light		
	Cable routing	Bottom inlet wiring, Bottom outlet wiring		
	Charging model	card swipe		
	Dimension	265x170x80mm		
	Input voltage	1 phase; 200-240V	3 phase; 380-440V	3 phase, 380-440V
	Input frequency	50/60Hz		
	Output voltage	200-240V	380-440V	380-440V
	Output current	32A	16A	32A
	Charging Wire length	3/5/7/10m		
Environmental Indicators	Over-current protection value	≥110%		
	Over-voltage protection value	270Vac for 1 phase, 465Vac for 3 phase		
	Under-voltage protection value	190Vac for 1 phase, 330Vac for 3 phase		
	Over-temperature protection value	80°C		
	Electric leakage protection value	30mA AC+6mA DC		
	PEN protector	Equipped inside (optional)		
	Work temperature	-30°C~50°C		
	Work humidity	-5%~95% non-condensation		
	Work altitude	< 2000m		
	Protection Level	IP54		
	Cooling Model	Natural cooling		
	MTBF	50,000 hours		

Installation

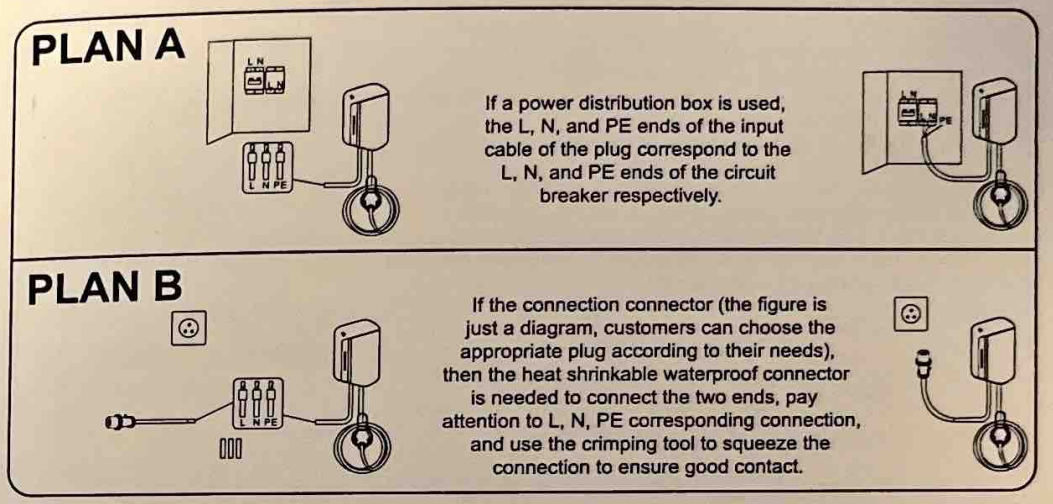


Steps for Usage

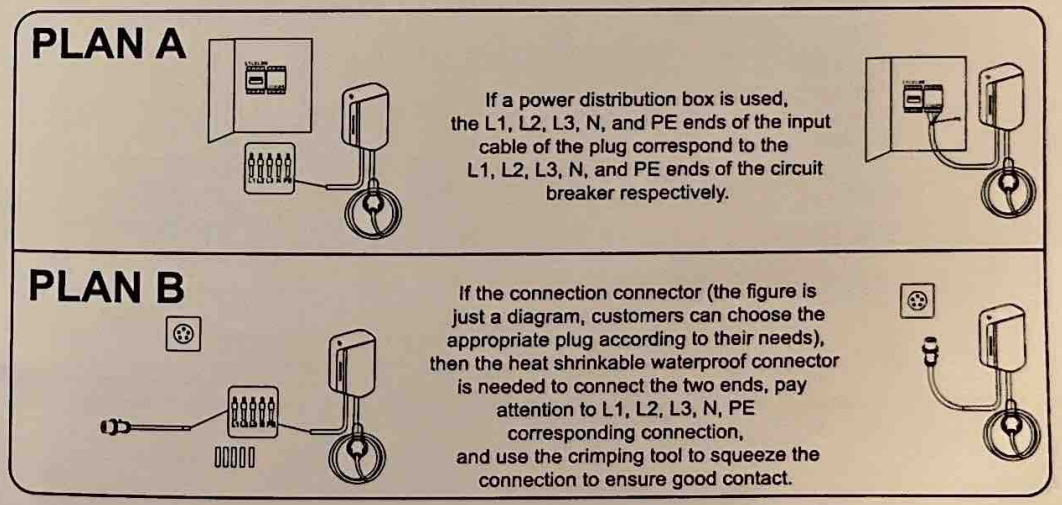


is fully charged, the device will automatically stop charging
structions carefully before use

Steps For Power Wiring (1 phase; 7kW)



Steps For Power Wiring (3 phase; 11/22kW)



Warning And Cautions

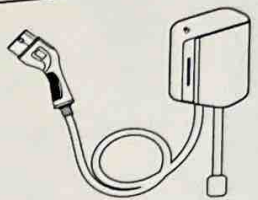
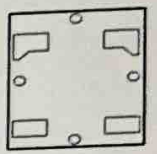
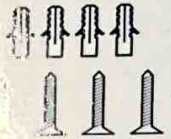
- For use only in the environment with RCD residual current protector;
- Do not use the device when the charging cable is damaged;
- For electric vehicle charging only;
- The product must be well grounded when used;
- It is strictly prohibited to step on the charging cable, pull the cable, bend or knot the cable.
- Do not put your finger into the charging plug.
- Do not connect thr 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 Indication Prompt

Operation Mode	Red	Green	Blue
Power On(Unplugged)	/	Stays On	/
Insert the Plug(Unplugged)	/	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/CC Error	Flash for 6	/	/

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

WHAT´S IN THE BOX

		
Charging station + charging plug x 1	RFID card x 2	Hanging board x 1
		
3.5*35mm	M3*10mm	USER MANUAL
Rubber plugs + Screws for hanging board x 4	Side anti-theft screws for hanging board x 2	User manual

Common Trouble Handing

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 1 phase and 330Vac for 3 phase 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 1 phase and 330Vac for 3 phase), 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 1 phase and 465Vac for 3 phase 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(270Vac for 1 phase and 465Vac for 3 phase), 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.