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EVB EV 22kW AC portable charger



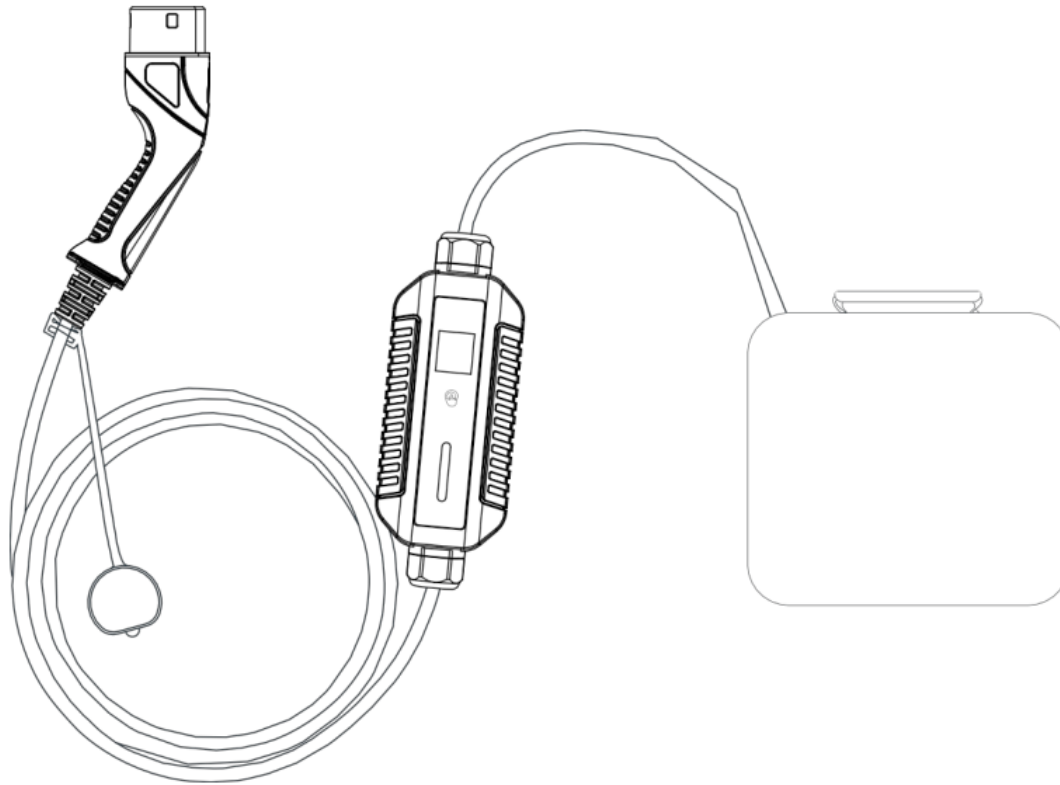
IMPORTANT

PLEASE READ THESE OPERATING INSTRUCTIONS BEFORE USING THE DEVICE! FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY, DAMAGE TO THE DEVICE, ENVIRONMENTAL DAMAGE OR OTHER SERIOUS PROBLEMS. KEEP THESE OPERATING INSTRUCTIONS IN A SAFE PLACE WITH THE CHARGING DEVICE.

SAFETY INFORMATION

- ▶ Use the EV portable charger only within the specified operating parameters.
- ▶ The EV portable charger must be used in the socket specified in the design, and the socket is fixed. Do not use an extension cord.
- ▶ Do not plug the portable EV charger into a power outlet that is not properly grounded.
- ▶ Do not use EV portable charger adapters in outlets for which they are not intended.
- ▶ Do not open, disassemble, repair, tamper with or modify the mobile connector.
- ▶ The connector is not intended to be serviced by the user.
- ▶ Do not use (or stop using) a portable EV charger if it is defective, cracked, frayed, broken, damaged, or inoperable.
- ▶ Do not unplug the portable EV charger from the wall outlet while charging the vehicle.
- ▶ Do not plug the portable EV charger into a damaged, loose or worn electrical outlet. Make sure that the pins of the portable EV charger fit snugly into the outlet.
 - ▶ Do not use the portable EV charger when you, the vehicle or the portable EV charger are exposed to heavy rain, snow, electrical storm or other adverse weather conditions.
 - ▶ Do not immerse the charging device in water and do not expose it directly to a stream of water (such as from high-pressure washers or garden hoses).
 - ▶ Do not touch the end terminals of the portable EV charger with sharp metal objects such as wire, tools or needles. Do not forcibly fold any part of the portable EV charger or damage it with sharp objects. Do not insert foreign objects into any part of the portable EV charger.
 - ▶ Always protect the EV portable charger from moisture, water and foreign objects. If you find or suspect corrosion or damage to the portable charger, do not use it.
 - ▶ Clean the EV portable charger only when it is completely disconnected from the mains and the vehicle. Use the supplied cloth to clean it, then dry all parts thoroughly.
 - ▶ Do not let children play with the packaging or charging device.

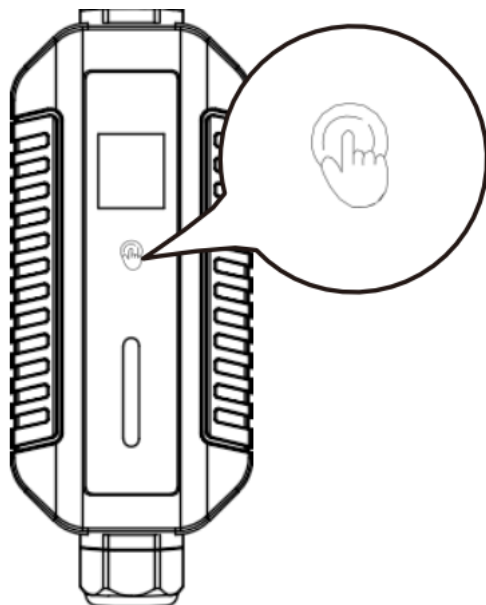
SCHEME





SPECIFICATIONS


Working power	400V +/- 10%,50Hz +/- 2%
Scenes	Indoor/Outdoor
Height (m)	≤2000
IP	IP66
Button	Switching current, cycle display, notorious new charging delay
Switching current	It can meet three-phase AC charging of 32A, and the current can be switched between 8A, 10A, 13A, 16A, 20A, 24A, 32A.
Operating temperature	-25~50°C
Storage temperature	-40~80°C
Environmental humidity	<93>%RH +/- 3%RH
External magnetic field	Earth's magnetic field, not exceeding five times the Earth's magnetic field in any direction
Distortion of the sine wave	Not more than 5%
Security	Excessive current 1.125In, excessive and insufficient voltage ~15%, excessive temperature ≥ 70°C, reduce to 6A to charge and stop charging when >75°C
Protection against leakage	Type B, AC 30mA + DC6mA
Temperature control	"1. Input plug cable temperature detection 2. Relay or internal temperature detection"
Ungrounded security	Evaluation of the push-button switch allows charging without ground or PE is not connected.
Welding alarm	Yes, the relay fails after welding and blocks- it charging
Control	Opening and closing relay by relay
LED	Tri-color LED indicator for power, charging and failure

CONFIGURATION MANUAL

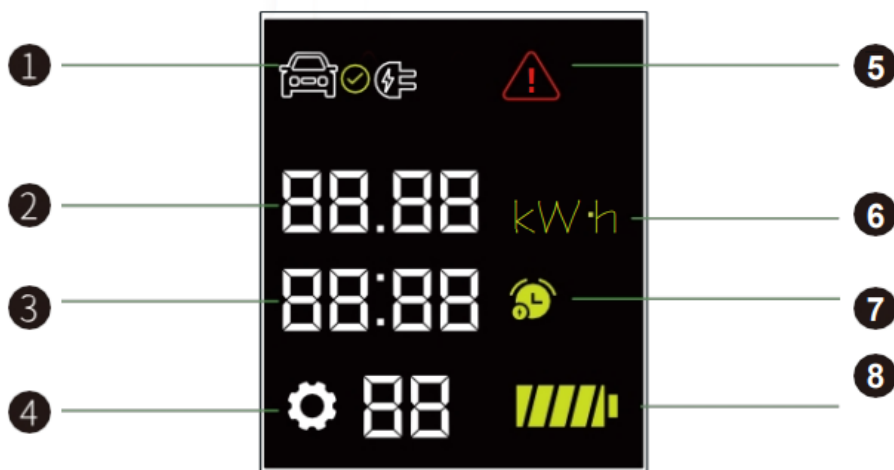


ADJUST CURRENT: tap  for 2 seconds until all green LEDs start flashing, then click to select current, choose from 6A to 32A.

CHARGING DELAY TIME: Click  to set the charging delay time from 0 to 5 hours (each click adds 0.5 hours).










METERING RESET: Press and hold the  button for more than 5 seconds to reset the accumulated charging power.

INFORMATION ON THE LCD SCREEN



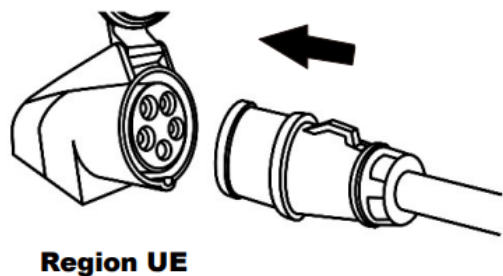
1. EV and power connection
2. Charged power supply
3. Charging time or delay
4. Current (selected)
5. Error alert
6. Power unit
7. Charging delay icon
8. Charging cycle

STATUS OF LED DISPLAY

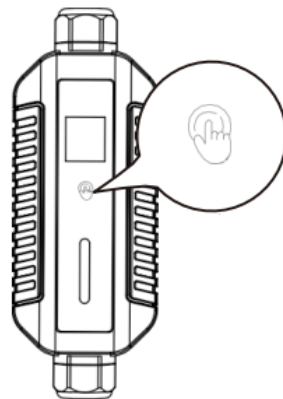
Status	LED display status				
	Red	Green 1	Green 2	Green 3	
Available power supplies		Current indication			
		6A			
		10A			
		13A			
		16A			
		20A			
		24A			
		32A			
Linked		Blink	Blink	Blink	
Reserved		Blink			
Charging		Bicycle lighting			
Finishing					
Fault	Blink x time				

HOW TO USE?

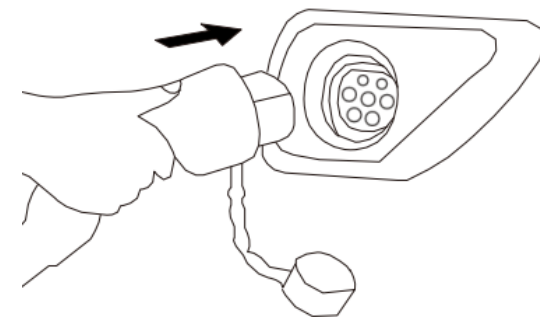
Step 1:
Plug the plug of the portable EV charger into a suitable electrical outlet.



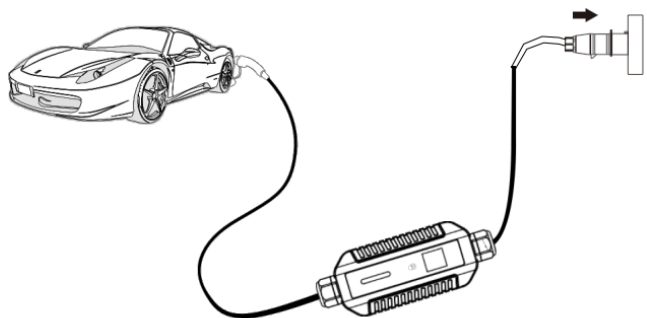
Step 2:
Select the current and charging delay time as required.



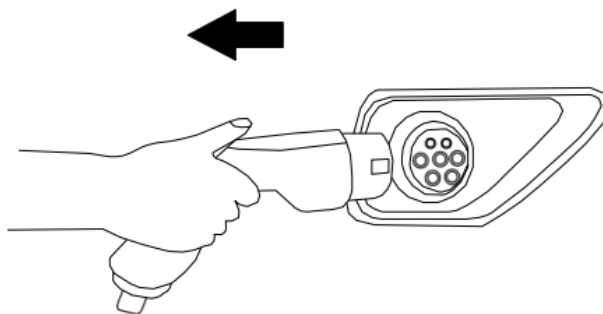
Step 3:
Connect the cable of the portable charger to the electric po- ride to start charging.



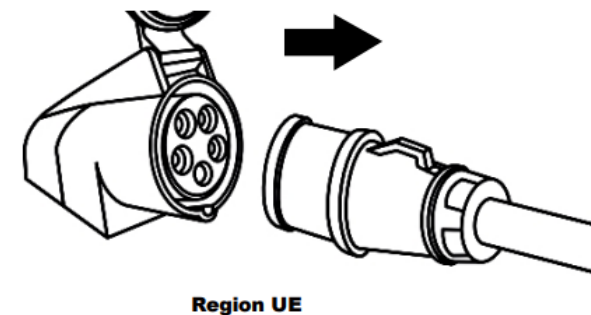
Step 4:
Check the display to make sure the charger turns on normally.



Step 5:
Remove the plug from the outlet after charging is complete.





Step 6:
Disconnect the power plug from the wall outlet, store it in a storage bag for convenient use.



ERROR CODE AND TROUBLESHOOTING

- ▶ If there is a fault, the charger will stop generating current and will not charge.
- ▶ Charging should be resumed after the fault is checked and corrected.

LED status	Reason	LCD error code	Solution
Flash 1 time	RCD leakage protection	1	Switch off and check the electric car and charger
Flash 2 times	Excess current	2	Turn off and check your electric car
Flash 3 times	Grounding (PE) Disconnection	3	Turn off the power and check the distribution network
Flash 4 times	Over-voltage / under-voltage	4	Turn off the power and check the distribution network
Flash 5 times	Welding fault	5	Please contact the manufacturer
Flash 6 times	CP voltage error	6	Check that the connector is tight
Flash 7 times	Excessive temperature	7	Check the heat dissipation of the case
Flash 8 times	Loss of diode	8	Check EV CP diodes
Current control	"Touch  for 2 seconds until all green LEDs start flashing, and then click the button to select the current from 6A to 32A."		
Delayed charging time	"Click  to set the delay time from 0 to 5 hours"		
Standard	IEC62196-2/IEC62752		

Real-time monitoring includes welding detection, temperature detection, PE connection detection, overvoltage detection, overcurrent detection and CP voltage detection, any failure will be displayed according to the above table.

MAINTENANCE AND CLEANING

CLEANING

- ▶ Disconnect the portable EV charger from the power outlet and the vehicle.
- ▶ Clean the device from the outside only. Use a soft, slightly damp or anti-static cloth.
- ▶ Do not use detergents or chemicals to clean the device.

CONSERVATION

- ▶ Connectors are sensitive, high-performance parts, and their contacts must always be clean and dry. Corrosion of the contacts can lead to malfunctions, overheating or device failures.
- ▶ If the plugs get wet, let them dry before use. Always put protective caps on the device when it is not plugged in.

REPAIR/MODIFICATION

- ▶ Any repairs and/or modifications may only be performed by the manufacturer.
- ▶ Never open the case or make any changes to the EV charger and control box yourself.

WASTE DISPOSAL AND RECYCLING

Please sort your waste!



Do not dispose of this device with standard household waste. European Directive 2012/19/EU applies to this device. Have the device disposed of by an authorized waste disposal and recycling company and the local waste management authority. The relevant regulations must be observed. If in doubt, contact a waste disposal facility.

Recycling



Recyclable goods: Separate packaging and electrical equipment by material type for disposal. Take all cardboard and corrugated cardboard to paper recycling, foil and film to a waste collection point, and electronic components to a specialized electrical store or local recycling point for disposal

EXPLANATION OF SYMBOLS (IN THIS MANUAL AND/OR ON THE CHARGING DEVICE)



By using the CE marking, the manufacturer or distributor declares that the product meets all applicable European regulations and standards (Declaration of Conformity of the European Community).



This symbol indicates that this product's protection rating meets the requirements of Protection Class IP66. This means that it is protected against dust in harmful quantities and temporary submersion in water.



This symbol indicates the lowest possible temperature in °C at which the device may be operated.



This product meets the requirements of Protection Class I in accordance with IEC Standard 61140.



This device and the manufacturing plants where it is produced have been inspected and approved by TÜV Rheinland. The certificate verifies the complete fulfillment of the standards on which the product is based.



Products marked with this symbol meet the requirements of the EU Directives restricting the use of certain hazardous substances in electrical and electronic equipment.



Niebezpieczeństwo porażenia prądem z powodu niebezpiecznego napięcia w przypadku niewłaściwego użytkowania.



Sprzęt do ładowania jest przystosowany do pracy na wysokości do 3000 metrów nad poziomem morza.



Powierzchnia urządzenia ładującego może stać się bardzo gorąca, jeśli zostanie wystawiona na bezpośrednie działanie promieni słonecznych.



Ten symbol oznacza, że przewód uziemiający jest podłączony na stałe.



Ten symbol oznacza ogólne niebezpieczeństwo lub zagrożenie. Należy przeczytać instrukcję obsługi, aby zapoznać się ze sprzętem do ładowania.



Climate Pledge Friendly jest Zaufane certyfikaty stron trzecich podkreślają produkty, które spełniają standardy zrównoważonego rozwoju i pomagają chronić świat przyrody.

CONTACT

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