

evgoer



EG evgoer Recharge
50A Electric Vehicle Charger
for Tesla

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IMPORTANT SAFETY INSTRUCTIONS

CAUTION

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK: To reduce the risk of fire, connect only to a circuit provided with 60 amperes maximum branch circuit over current protection.

WARNING

When using electric products, basic precautions should always be followed, including the following. This manual contains important instructions that shall be followed during operation and maintenance of the unit.

- a) Read all the instructions before using this product.
- b) This device should be supervised when used around children.
- c) Do not put fingers into the electric vehicle connector.
- d) Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
- e) Do not use the product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
- f) To avoid fire, do not use extension cords that do not support 50A current and extra-long length extension cords for charging.

WARNING

Risk of electric shock! Do Not Disconnect Under Load.

WARNING

This product is intended only for charging vehicles not requiring ventilation during charging.

CAUTION

Do not expose to liquid, vapor or rain.

CAUTION

Do not use this product if there is any damage to the unit. Send the unit back to the manufacturer in the event the unit is not operational.

- g) This product is for hardwired installation. If you have any questions, please consult a local electrician.
- h) Do not touch the terminals or other current-carrying parts when your hands are wet.
- i) Do not trample or drive over the product's cables.
- j) Do not put any foreign objects into the enclosure.
- k) Do not start the engine when the charging gun is still connected.
- l) Do not use power generators as a power source for charging electric vehicles.
- m) Do not plug the product into a damaged, loose or worn outlet. Ensure that the prongs on the plug fit snugly into the outlet.
- n) Do not disconnect the product from the outlet when the vehicle is charging.
- o) Do not use the product with adapters other than those indicated in this manual.
- p) Do not use or expose the product to flammable or harsh chemicals or vapors.
- q) Do not use or store the product in a recessed area or below the floor level. Position the product main unit at least 18 inches (46 cm) above the floor level.



The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of shock to persons.

SAVE THESE INSTRUCTIONS

BEFORE FIRST USE

DANGER

Keep any packaging materials away from children and pets – these materials are a potential source of danger, e.g. suffocation.

- Remove all the packing materials.
- Remove and review all components before use.

INTENDED USE

WARNING

Do not use the product when either you, the vehicle or the product is exposed to severe rain, snow, electrical storm or other inclement weather.

WARNING

If rain falls during charging, do not allow rain water to run along the length of the charging cable. It may cause the electrical outlet or charging port to become wet.

- This product is intended to charge electric vehicles compatible with all Tesla car models.
- This product is intended for household use only. Not for use in commercial garages where a COMMERCIAL GARAGE is defined as a facility, or portion of a facility, used to repair of internal combustion engine vehicles, in which the area may be classified due to vapors of flammable liquids (gasoline) being present.
- This product is not intended to work with electric vehicles that require an external ventilation system.
- No liability will be accepted for damages resulting from improper use or non-compliance with these instructions.

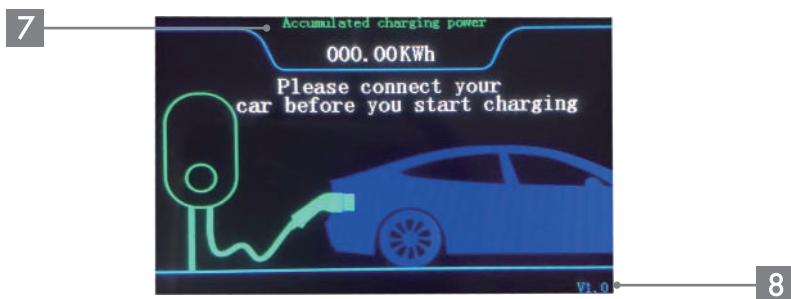
NOTICE

This product is compatible with all Tesla models. For J1772 interface vehicles, a separate adapter is required, which can be purchased separately.

PARTS AND FEATURES



1	Display	4	Confirm button
2	Adjusting the current button	5	Swiping card
3	Scheduled time button	6	Charging gun



7	Accumulated charging power
8	Mainboard Version Number

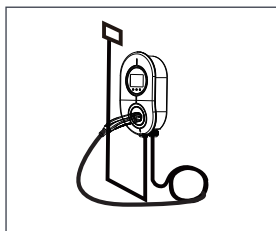
OPERATING INSTRUCTIONS

Connecting to the outlet

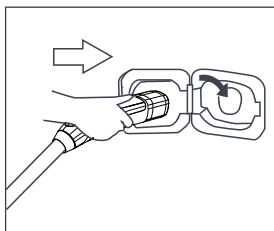
CAUTION

- The product's maximum working current is 50 A.
- This product is for hardwired installation. If you have any questions, please consult a local electrician.

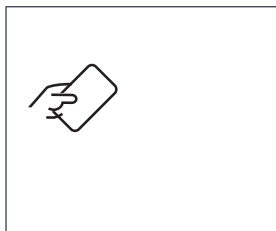
Charging Operation



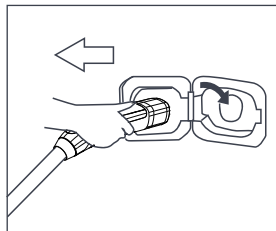
1. Make sure the EV charger is properly connected to the power supply.



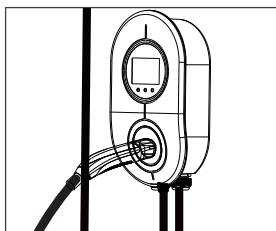
2. Connect the charging gun to the on-board charging interface.



3. Swipe the card and wait for the charging icon on the screen to flash and display the actual charging current.



4. Unplug the charging gun.



5. Plug in the charging gun and store it back.

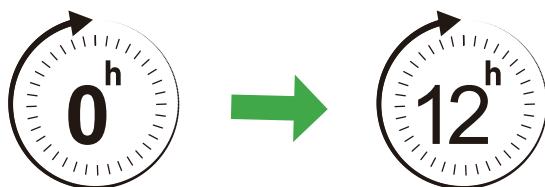
Setting the output current

1. Press Adjusting the current button **2**, the current setting will Adjusting the current Confirm turn orange.
2. Continue pressing the **2** button to adjust the current setting. Press it once to cycle through each setting: 8A,16A, 24A, 32A, 40A,50A.
3. There are a total of 6 settings. After selecting the desired setting, press the rightmost button to confirm. The current setting will turn white, and charging will begin at the set current.

Setting the delayed charging time

This mode allows to schedule a charge at night when the electricity rates are lower.

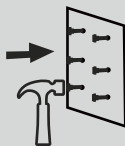
1. Setting the scheduled time method: Press Scheduled time button **3** briefly, the time 12KW setting will turn orange.
2. Continue Scheduled time button **3** to adjust the scheduled time. Press it once to cycle through each setting from 0H to 12H, there are 13 settings in total.
3. After selecting the desired setting, press Confirm button **4** to confirm. The time setting will turn white again.
4. The timer will begin counting down from the set time, and charging will start once the timer reaches zero.



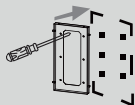
INSTALLATION STEPS



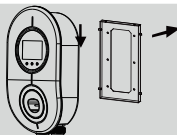
1. Drill holes using the drilling template.



2. Hammer the M8*60 expansion screw tube into the wall hole.



3. Use the screwdriver to fix the M8 self-tapping screws to the backplane on the wall.



4. Open the rear cover panel and connect according to the markings. Input wires L/N/PE. Install the charging pile on the backplane on the wall.

Installation Instructions

Pecification for electrical box at input:

1. The power distribution box at the input end of each AC charging pile shall beequippedwith leakage air switch with rated current no less than 60A.
2. Select an adaptive molded case circuit breaker according to the current of the ac charging pile (50A required for a single ac pile).
3. Power cables for ac charging piles (cables between air breakers and ac piles)must meet the rated capacity of at least 60A.
Suggest using a dual phase power supply. confirms.
The recommended voltage range is AC240V \pm 10%.
4. 60Hz power supply, make use of 8AWG . copper core cable;
When installing acchargingpiles, ensure that the PE cables are properly grounded.

Moving and storage instructions

CAUTION

Do not store the product in hot place exposed to direct sunlight.

- Never lift or carry the product by the flexible power cord or the EV cable.
- Handle the product with care to prevent damage to any of its components. Do not subject the product to strong force or impact. Do not pull, twist, tangle, drag or step on the product or any of its components.

SPECIFICATIONS

Working voltage	AC 120-240V
Rated current	50A
Charging connector	for Tesla
Frequency	60HZ
Rated power	12KW
IP degree	IP66
Working temperature	13°F-122°F (-25°C-50°C)
Working humidity	5%- 95% HR
The cooling way	Natural air cooling
Display parameters	Charge voltage, charge current, charge quantity,fault code
Fuselage size	8.08*14.10*3.94 (205.2*355.4*100mm)
Installation mode	Column mounted (floor mounted) or wall mounted Install optional

* The weight and dimensions may vary due to measurement errors. Please refer to the actual measurements.

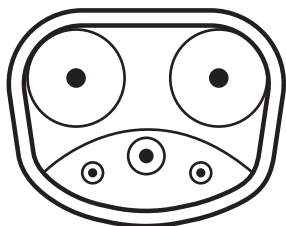
TROUBLESHOOTING

The fault name	Symptom Possible causes
AC overvoltage	AC input voltage too high
Rule out advice	
<p>1. If the voltage exceeds 265Vac for a short time, wait for the power grid to restore itself to the normal voltage range.</p> <p>2. Check the background monitoring data and analyze. If the voltage in this area is overvoltage for a long time, adjust the input overvoltage protection point to 265Vac by configuring software.</p>	
The fault name	Symptom Possible causes
AC undervoltage	AC input voltage too low
Rule out advice	
<p>Check the background monitoring data and analyze. If the voltage in this area is chronically undervoltage (175Vac), the protection point of input undervoltage can be adjusted to 90 Vac at least by configuring software.</p>	
The fault name	Symptom Possible causes
AC overcurrent	Excessive AC input current
Rule out advice	
<p>1. Immediately turn off the leakage/overcurrent protection circuit breaker of the power distribution box.</p> <p>2. Check whether there is low impedance or short circuit between the output line of AC pile.</p> <p>3. After the fault is rectified, power on the device again. If the fault persists</p>	
The fault name	Symptom Possible causes
Overtemperature	The temperature in the AC pile is too high
Rule out advice	
<p>Check the ac pile installation environment. Check whether there are other heating devices nearby. Ensure that the ambient temperature is below 50 ° C.</p>	

The fault name	Symptom Possible causes
Leakage current exceeds standard	High leakage current to the ground
Rule out advice	
1. 1. Immediately turn off the leakage/overcurrent protection switches in the power distribution box. 2. Check whether the output line of AC pile is damaged or has low impedance to the ground 3. After the fault is rectified, power on the device again. If the fault persists, contact us.	
The fault name	Symptom Possible causes
Ground fault	The input/output is improperly grounded or the input L/N is inversely connected
Rule out advice	
1. Immediately turn off the leakage/overcurrent protection switches in the power distribution box 2. Check whether the input and output cables of ac piles are grounded properly and whether the input L/N cables are connected in normal sequence. 3. After the fault is rectified, power on the device again. If the fault persists, contact us.	
The fault name	Symptom Possible causes
Abnormal communication(Internet mode)	Poor background communication of AC pile
Rule out advice	
1. Check whether the network cable is properly connected. 2. Check whether charging piles are correctly configured in the background.	
The fault name	Symptom Possible causes
Abnormal connection of charging gun	Charging gun CC/CP Connection exception
Rule out advice	
1. Check whether the charging gun is connected correctly and reliably. 2. If the fault persists, contact us.	

Working state	gules	green	blue
free	/	Stays On	/
Insert a gun	/	/	Stays On
recharge	/	/	Flashing
Metering communication error	Flash for 1	/	/
Under-voltage alarm	Flash for 2	/	/
Overvoltage alarm	Flash for 3	/	/
Ground fault	Flash for 4	/	/
Over current protection	Flash for 5	/	/
Permanent overcurrent protection	Flash for 6	/	/
Leakage protection	Flash for 7	/	/
Over temperature protection	Flash for 8	/	/
Emergency stop button	Flash for 9	/	/
RFID failure	Flash for 10	/	/
Relay failure	Flash for 11	/	/
Gun lock fault	Flash for 12	/	/
Memory failure	Flash for 13	/	/
Clock exception	Flash for 14	/	/

CONNECTOR TYPE



The product is compatible with all Tesla models.

WARRANTY CONDITIONS

- a) We will, at our discretion, repair any product that proves to be defective in material or workmanship during the warranty period of 12 months.
- b) A valid proof of purchase must be presented upon request for warranty service;
- c) The warranty shall not apply if:
 - the product was modified or repaired in any way by persons other than our technicians
 - the product has been damaged through misuse, negligence or inflow of any liquid
 - the product was not used according to user manual
 - losses or damages are caused by force majeure or natural disasters
- d) The warranty terms and conditions are subject to change without prior notice.
- e) Product specifications are subject to change without prior notice.
- f) evgoer shall not be liable for technical or editorial errors or omissions contained herein.

APPENDIX

The reference standard

IEC 61851-1:2017-02 《Electric vehicle conductive charging system-
Part 1: General requirements》

IEC 62053-21:2003 《Electricity metering equipment(a.c.)- Particular requirements-
Part 21: Static meters for active energy(classes 1 and 2) 》

EN 50065-1:2001 《 Signalling on low-voltage electrical installations in the
frequency range 3 kHz to 148,5 kHz-Part 1: General requirements, frequency
bands and electromagnetic disturbances》

EN 50557:2011 《 Requirements for automatic reclosing devices(ARDs) for
circuit breakers-RCBOS-RCCBs for household and similar uses》

IEC 60050-151:2001 《 International Electrotechnical Vocabulary-
Part 151: Electrical and magnetic devices》

IEC 60050-195:1998 《 International Electrotechnical Vocabulary-
Part 195: Earthing and protection against electric shock》

IEC 60050-441:1984 《 International Electrotechnical Vocabulary-
Part 441: Switchgear, controlgear and fuses》

IEC 60050-826:2004 《 International Electrotechnical Vocabulary-
Part 826: Electrical installations》

IEC 62196-2:2011-10 《 Plugs, socket-outlets, vehicle connectors and vehicle-
Conductive charging of electric vehicles-Part 2:

Dimensional compatibility and interchangeability requirements for a.c. pin
and contact-tube accessories》

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