



Wallbox EV Charger

User Manual

Current: 40A



Temperature
Protection



Auto
Repair



Efficient
Charging



Protection
Level IP54



RCD



Big Size
Screen



Under Voltage
Protection



Over Voltage
Protection



Short Circuit
Protection



Earth Leakage
Protection





Lightning
Protection



Over Load
Protection

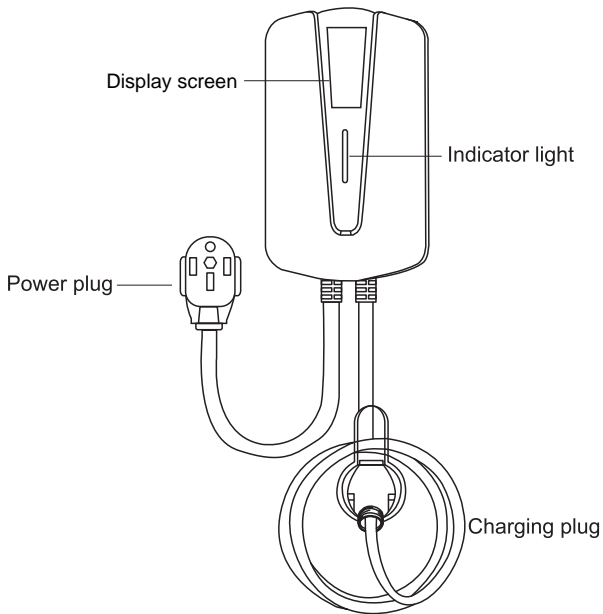
DGEVSTC01

Symbol Meaning

Symbol	Meaning
	<p>"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.</p>
	<p>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.</p>

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 change without prior notice.

Product Overview



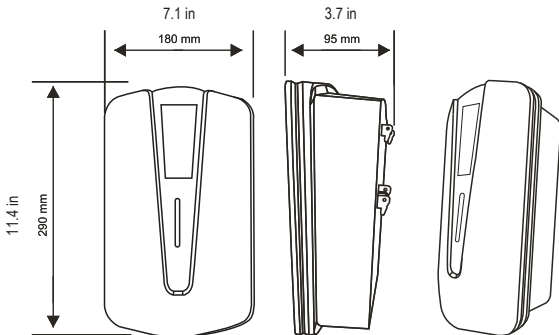
Product Overview

This product is an AC charging station, mainly used for AC charging of electric vehicles. This product is composed of a charging station body, wall-hanging backboard, and necessary power/charging cables. This product adopts industrial principles that are easy to install and use.

- **Exterior:** Exquisite and light, suitable for different application scenarios
- **Protection:** IP54 level of protection. Waterproof and dust-proof, this device can withstand wind, rain, and sun exposure.
- **Operation:** The head of this charger is designed to open easily – simple convenient, true plug and play.
- **Safety:** Multiple protections and safety upgrades. Build with high-quality materials, this device is fireproof, waterproof, and dust-proof.
- **Commonality:** Compact design, excellent energy output. This device is compatible with 99% of new electric vehicles.
- **Quality:** Pure copper wire design without oxidation. Complies with inspection standards and is flame retardant, impact resistant.

Dimensions

Size: 290 mm x 180 mm x 95 mm (11.4 in x 7.1 in x 3.7 in)



Product Parameter

Charging Device	Rated current	40A
	User Interface	Display screen, Indicator light
	Cable routing	Bottom inlet wiring, Bottom outlet wiring
	Dimension	290x180x95mm
	Input voltage	Level 2 190V~240
	Input frequency	50/60Hz
	Output voltage	Level 2 190V~240V
Charging Wire length	20FT	
Protection Design	Over-current protection value	$\geq 110\%$
	Over-voltage protection value	265Vac for Level 2; 165Vac for Level 1
	Under-voltage protection value	175Vac for Level 2; 90Vac for Level 1
	Over-temperature protection value	80°C
	Electric leakage protection value	30mA AC+6mA DC
Environmental indicators	Work temperature	-30°C~50°C (-22F -122F)
	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



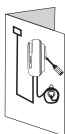
2

Place STATION onto
PLATE on the wall

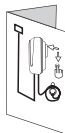


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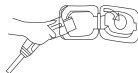
Assemble the ANTI-THEFT
SCREW from side



Steps for Usage



1. Make sure the charging box
is connected to power



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



3. The vehicle will begin charging normally

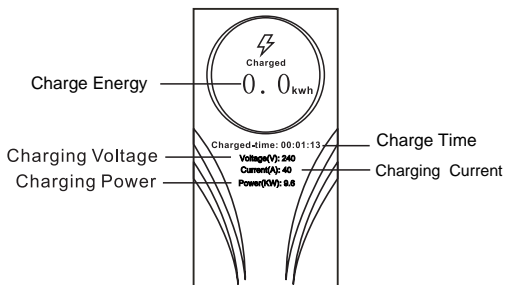


4. Unplug the device and wrap the
cable around the storage hook

NOTE:

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

Display Screen Description



Warnings and Caution

- 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
Emergency stop error	Stays On	/	/
Over-voltage alarm	Flash for 1	/	/
Under-voltage alarm	Flash for 2	/	/
Over current protection	Flash for 3	/	/
Over temperature protection	Flash for 4	/	/
Leakage protection	Flash for 5	/	/
Ground fault (ungrounded)	Flash for 6	/	/
CP Error	Flash for 7	/	/
Relay failure	Flash for 8	/	/

Remarks: Error frequency is flashing certain times in every 3 seconds, continuous loop.

Common Trouble Handling

Fault	Reasons	Suggestions
AC Over-voltage	High input voltage	1. If the voltage exceeds 265Vac for a short period of time, wait for the network to restore itself to the normal voltage range.
		2. Check the background monitoring data and analyze it. If the voltage in this area is over-voltage for a long time, the input over-voltage protection point can be increased by configuring software, up to 265Vac.
AC under-voltage	Low input voltage	Check the background monitoring data and analyze it. If the voltage in this area is under-voltage for a long time(175Vac), the input under-voltage protection point can be increased to a minimum of 90 Vac through the configuration software.
AC overcurrent	High input current	1. connect the distribution box leakage/over-current protection circuit breaker immediately.
		2. Check whether there is low impedance or short circuit between the two output lines of AC pile.
		3. After troubleshooting the above problems, power on again.If the problem still exists, please contact us.
Over-temperature	High temperature for AC pile	Check the installation environment of AC pile, check whether there is other heating equipment beside it, and ensure that the ambient temperature is below 50°C
Excessive leakage current	Excessive leakage current	1. Disconnect the leakage/over-current protection switch of the distribution box immediately.
		2. Check whether the AC pile output line is damaged or has low impedance to the ground or short circuit.
		3. After troubleshooting the above problems, power on again.If the problem still exists, please contact us.
Ground fault	Failure grounding of input/output or inverse connection of input L/N	1. Disconnect the leakage/over-current protection switch of the distribution box immediately
		2. Check whether the input/output line of the AC pile is grounded properly, and whether the input L/N is connected in the normal sequence.
		3. After troubleshooting the above problems, power on again.If the problem still exists, please contact us.
CP Error	Charger CC/CP connection error	1. Check whether the connection of charging gun is correct and reliable.
		2. If the fault persists, please contact us.



Manufacturer's 1-Year Limited Warranty

The manufacturer warrants that all parts and components are defect free in materials and workmanship for 1 year. This warranty is valid only in accordance with the conditions set forth below:

1. The warranty extends only to the original consumer purchaser and is not transferable. In addition, proof of purchase must be demonstrated.
2. This limited warranty is the only written or express warranty given by the manufacturer. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
3. This warranty gives you specific legal rights. You may also have other rights which vary by state

Procedure for Replacement or Return within the 1 Year:

To return the product for replacement or refund within the 1 year, the original purchaser must pack the product securely and send it postage paid with a description of the reason for replacement or refund, proof of purchase, and include your order number on the package, to the following address:

Deco Home
80 Carter Drive
Edison, NJ 08817

Other contact info

Phone: 844-413-2646

Customer Service Email: customerservice@decogear.com