



INSTRUCTION MANUAL

EV200D-32W-22C

32Amp Smart Electric Vehicle Charging Station



⚠ WARNING: *Read all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

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Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

⚠ DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

⚠ WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.

⚠ CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

NOTICE: Indicates a practice not related to personal injury which, if not avoided, **may** result in **property damage**.

32Amp Smart Electric Vehicle Charging Station

- The product is intended to charge electric vehicles compatible with type 2 Europe charging standard.
- The product is intended to be installed and used in indoor and protected outdoor areas.
- The product is intended for household use only. Not for use in commercial garages. A COMMERCIAL GARAGE is defined as a facility or portion of a facility, also used to house or repair internal combustion engine vehicles, in which vapors from flammable liquids (gasoline) are present.

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR ELECTRIC SHOCK!



Read these instructions carefully and retain them for future use. If this product is passed to a third party, then these instructions must be included.

⚠ WARNING: When using electric products, basic precautions should always be followed, including the following. This manual contains important instructions for EV200D-32W-22C that shall be followed during installation, operation and maintenance of the unit.

⚠ WARNING: Risk of electric shock! Do not disconnect under load.

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

⚠ WARNING: Use of the product may affect or impair the operation of any medical or implantable electronic devices, such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator. Check with your electronic device manufacturer concerning the effects that charging may have on such electronic devices before using the product.

⚠ WARNING: Do not expose to liquid, vapor or rain.

⚠ WARNING: Do not use this product if there is any damage to the unit.

⚠ WARNING: Risk of electric shock. Do not remove cover or attempt to open the enclosure. No user serviceable parts inside. Refer servicing to qualified service personnel.

- Read all the instructions before using this product.
- Use supervision when operating this product around children.
- Do not put fingers into the electric vehicle connector.
- Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation or any other signs of damage.
- Do not use this product if the enclosure or the EV connector is broken, cracked, opened or shows any other indication of damage.
- To avoid a risk of fire or electric shock, do not use this device with an extension cord.

- Do not operate the product in temperatures outside its operating range of -30 °C to + 50 °C.
- Do not put inflammable, explosive or combustible materials, chemicals, combustible steam or other dangerous goods near the product.
- The electric vehicles can only be charged with the engine off and stationary. Do not start the engine when the charging handle is still connected.
- Do not touch the terminals or other current-carrying parts when your hands are wet.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Take care not to drill into any pipes or power lines beneath the surface during mounting holes preparation. Use a power line / metal detector.
- Do not trample or drive over the product's cables.
- Do not put any foreign objects into the enclosure.
- Do not use power generators as a power source for charging electric vehicles.
- 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.
- Do not use or store the product in a recessed area or below the floor level.

⚠ WARNING - Specific Safety Instructions for Permanently Connected Product

⚠ DANGER: High voltage is present in your electric meter housing and electrical panel. Contact with high voltage can cause death or serious personal injury.

⚠ WARNING: Permanent (hardwired) connection of the product and/or installation of electrical circuits, conduit and EU receptacles must only be performed by a licensed and qualified electrician. To avoid serious injury or death, the connection and installation must comply with the provisions of the International Electrotechnical Commission (IEC) and all local codes. In case of any conflict between the local codes and the IEC, local codes shall take precedence.

⚠ WARNING: The product must be grounded through a permanent wiring system or an equipment-grounded conductor.

⚠ WARNING: Do not touch the product's end terminals with fingers or sharp metallic objects, such as wire, tools or needles.

⚠ WARNING: Switch off power at the circuit breaker before installing or cleaning the product.

⚠ WARNING - Grounding Instructions for Permanently Connected Product

This product must be connected to a grounded, metal, permanent wiring system or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.



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

- Remove all packaging materials
- Remove and review all components before use.
- Check the product for transport damages.

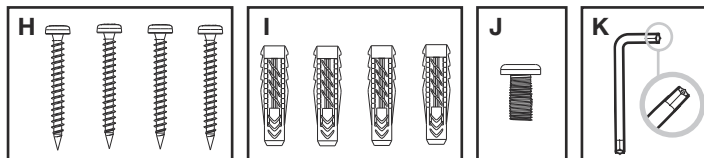
Main Unit Components

- | | |
|--------------------|-----------------|
| A. Main Unit | D. Wall Bracket |
| B. Display | E. RFID |
| C. Charging Handle | |



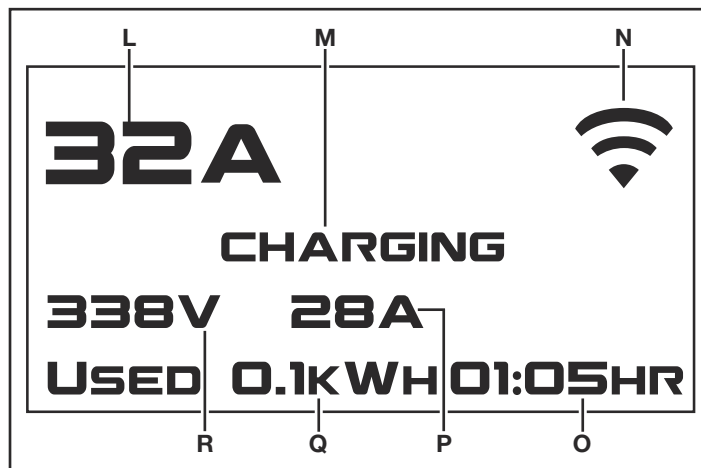
Wall Mounting Hardware

- | | |
|----------------------|------------------------|
| H. Screws (x4) | J. Bolt (x1) |
| I. Wall Anchors (x4) | K. T25 Torx L-Key (x1) |



Display

- | | |
|--------------------|----------------------------|
| L. Output Current | P. Actual Current |
| M. Charging Status | Q. Electricity Consumption |
| N. Wi-Fi Status | R. Voltage |
| O. Charging Time | |



Installation Instructions

⚠ WARNING: Wear proper personal protection equipment when installing the product.

⚠ CAUTION: Protect the product from harsh weather conditions such as rain, snow and extreme temperatures. Consider installing the product under a carport or in a garage.

⚠ CAUTION: Install the product in a safe location away from flammable materials and out of reach of children and pets.

⚠ CAUTION: Take care not to drill into any pipes or power lines beneath the surface during mounting holes preparation. Use a power line/ metal detector.

NOTICE: It is recommended to install the product at a sufficient height from grade such that the height of the storage means for the coupling device is located within a specified range.

- Install the product within convenient proximity to where the hardwired circuit will be installed by a licensed electrician. Additionally, ensure that the cord or wiring leading into the product has some slack.
- For optimal charging efficiency, place the product as close as possible to the electrical panel to avoid lengthy cable runs.
- Install the product to an easily accessible location for the driver to plug in and out the vehicle. Make sure the installation location allows enough slack for the charging cable to reach the vehicle's charging port.
- Test the Wi-Fi signal quality at the installation location.
- The wall used for installation must have the capacity to support the weight of the product and its accessories and must remain level once the installation is completed.
- Avoid installing the product in areas with excessive vibration or elevated temperatures.

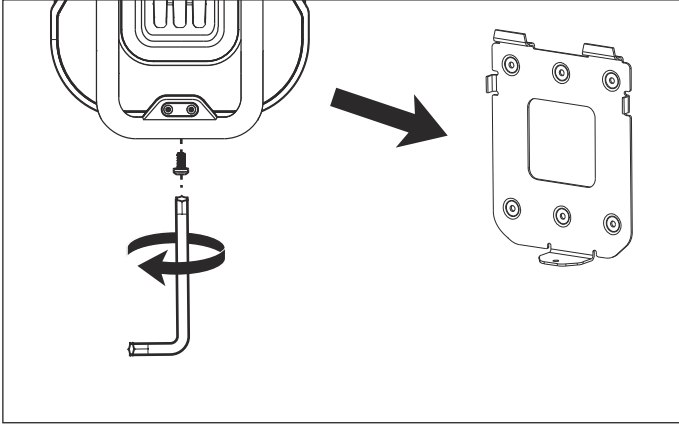
Wall Bracket Installation for Concrete Walls

REQUIRED TOOLS (NOT INCLUDED)

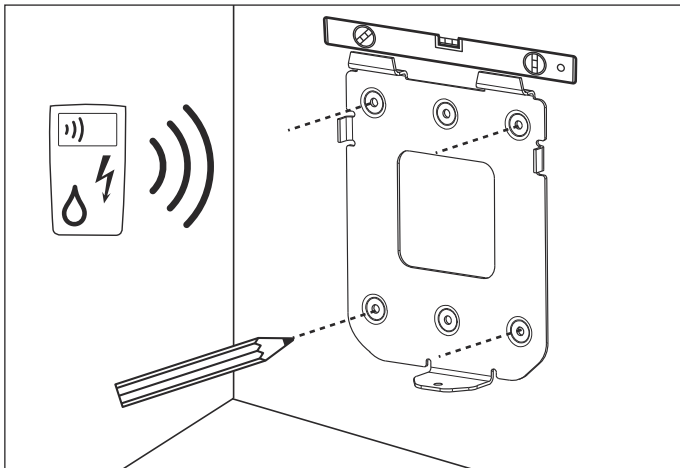
- | | |
|---------------------------|-------------------------------|
| 1. Level | 4. Power drill |
| 2. Pencil | 5. Power line/ metal detector |
| 3. $\Phi 10$ mm drill bit | 6. Philips screwdriver/bit |

MOUNTING THE WALL BRACKET

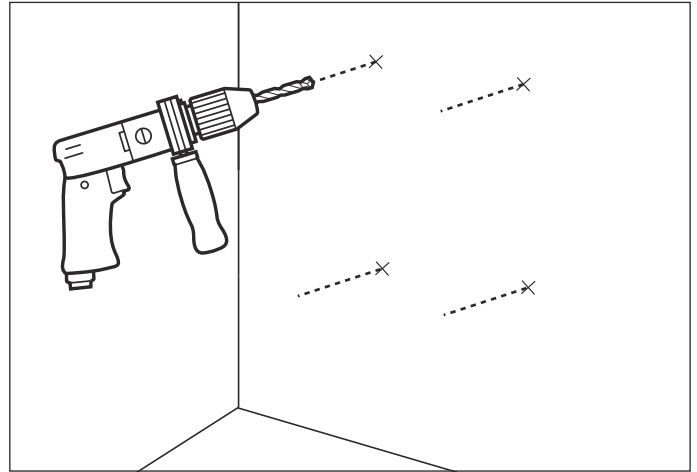
1. Loosen the bolt at the bottom of the main unit to take the wall bracket off, using the T25 torx L-key.



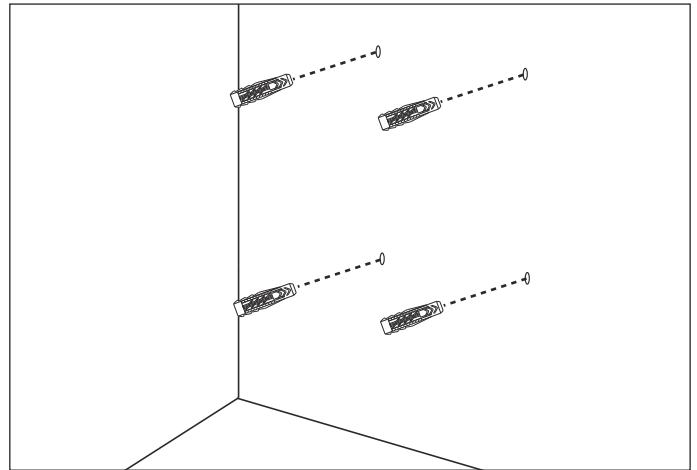
2. Use a power line/ metal detector to verify the installation area has no pipes or power lines beneath the surface. Hold the wall bracket against the installation surface. Use a level to ensure that the placement of the wall bracket is horizontal. Use a pencil to mark the screw holes in the wall bracket onto the surface.



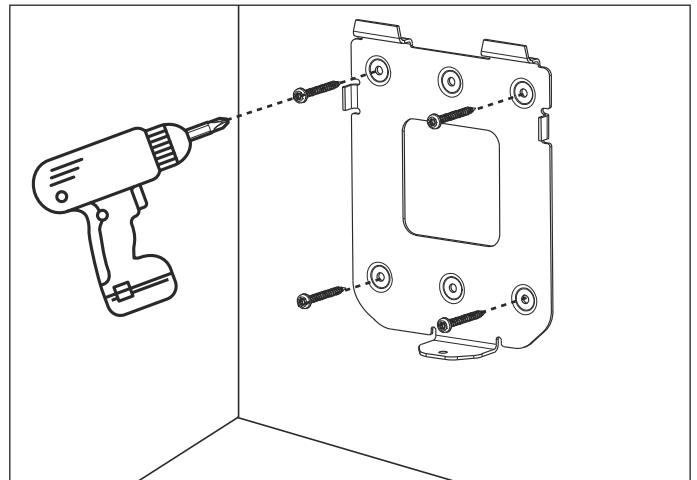
3. Drill the holes into the installation surface.



4. Insert the wall anchors into the holes.



5. Firmly mount the wall bracket using the provided screws.



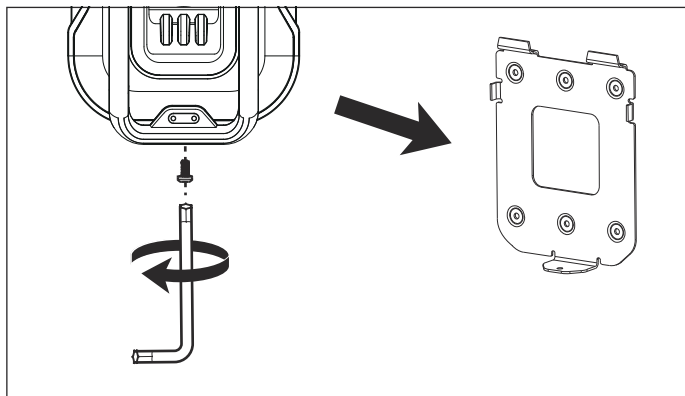
Wall Bracket Installation for Drywall or Studs

REQUIRED TOOLS (NOT INCLUDED)

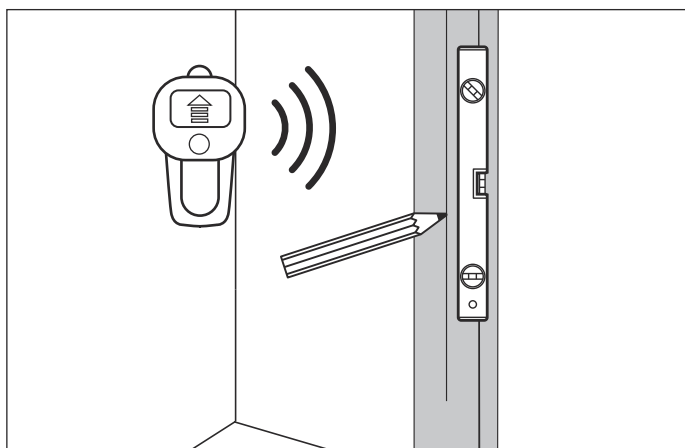
1. Level
2. Pencil
3. Stud finder
4. Philips screwdriver/bit

MOUNTING THE WALL BRACKET

1. Loosen the bolt at the bottom of the main unit to take the wall bracket off, using the T25 torx L-key.

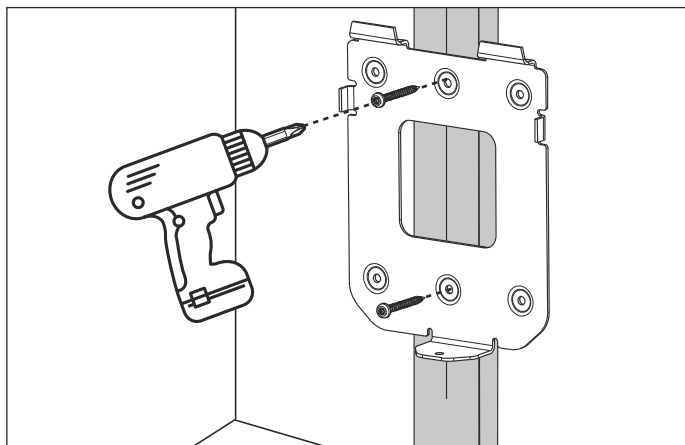


2. Use a stud finder to locate the center of a wall stud. Use a level and a pencil to draw a vertical line down the center of the wall stud.



3. Hold the wall bracket against the installation surface. Align the vertical line to the holes of the wall bracket. Firmly mount the wall bracket using the provided screws.

⚠ WARNING: At least two screws must be fastened through the bracket into the stud. For the other holes, it is recommended that other secure drywall fastening means be utilized.



Hardwire Installation

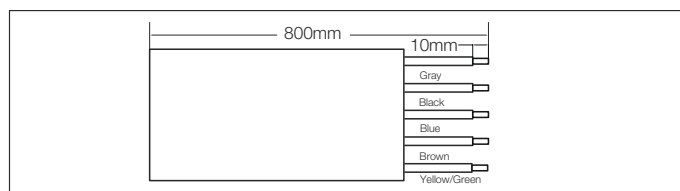
⚠ DANGER: Ensure all power is off before starting to install the hardwire. Installation of the hardwire should be carried out only by a licensed and qualified electrician.

REQUIRED TOOLS (NOT INCLUDED)

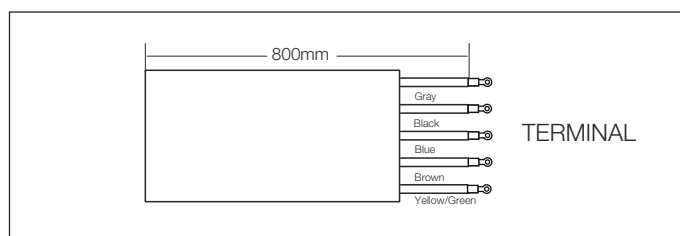
1. Wire stripper
2. Crimping tool
3. Philips screwdriver/bit

PREPARING THE POWER SUPPLY WIRES

1. The control box directly leads out the wire, connecting the power grid end wire length is 800mm. Strip each power supply wire to expose the conductors using a wire stripper. The length of the stripped section should be about 10 mm.



2. Insert the stripped end of the wire into the crimp barrel of the terminal, making sure that the strands are aligned and fully inserted.
3. Use a crimping tool to crimp the terminal onto the wire.



CONNECTING THE POWER SUPPLY WIRES

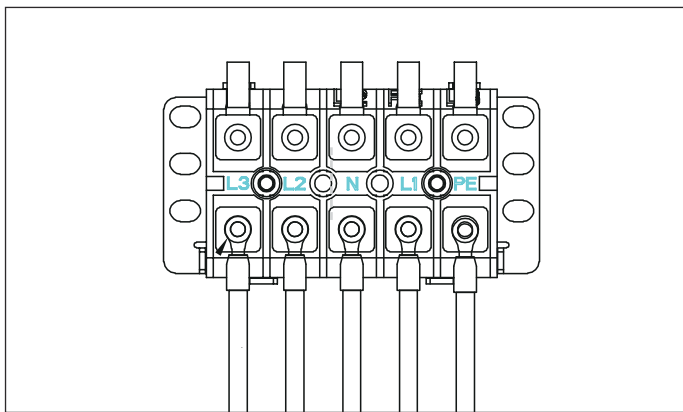
NOTICE: The cable gland entry is recommended for 5G6mm² 450/750V (IEC62893) cables.

1. Loosen the 4 screws on the cover plate on the back of the main unit.



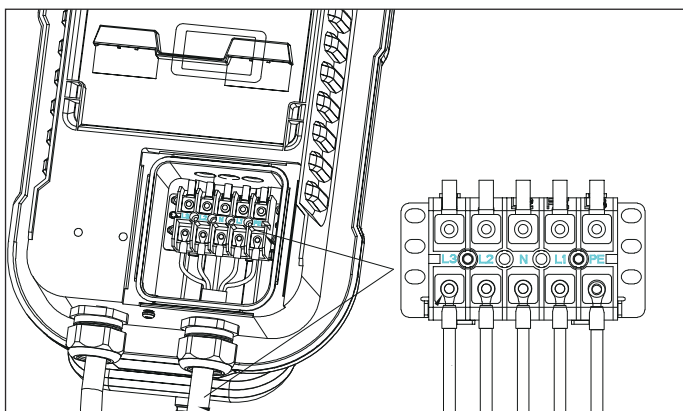
2. Feed the wires through the bottom port.

3. Loosen the connector screws on the terminal blocks.



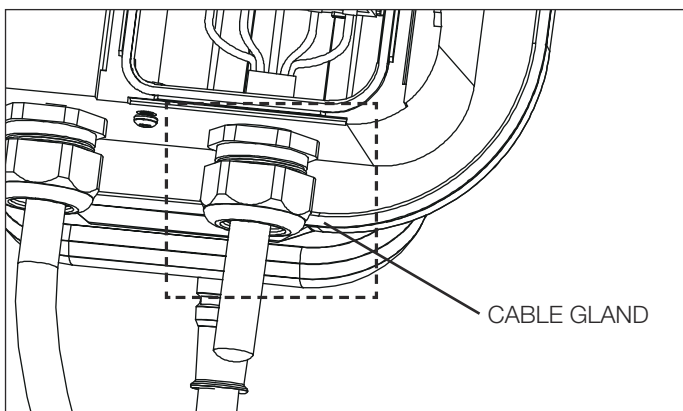
4. Fully insert the wires into the connectors on the terminal blocks accordingly:

- Gray-L3 pin
- Black wire-L2 pin
- Blue-N pin
- Brown wire-L1 pin
- Yellow/Green wire-PE pin



5. Tighten each connector screw to clamp the crimped terminals securely in place, with a torque of 1.5 N·m to 2 N·m .
6. Tighten the cable gland with a torque of 6 N·m to 8 N·m .

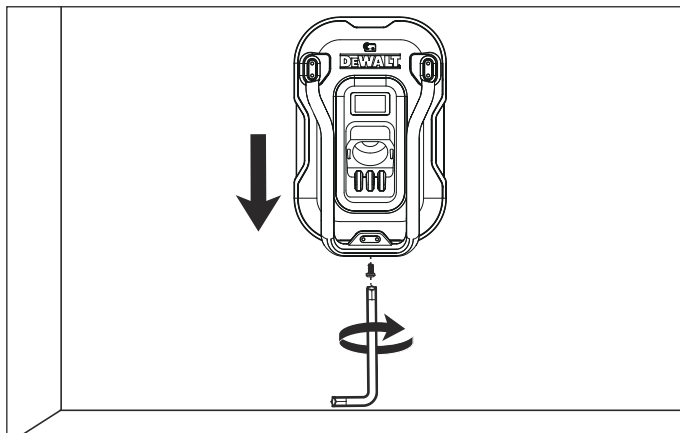
NOTICE: The cable gland entry is recommended for $\Phi 13$ -20mm cables, therefore a 2.5cm conduit fitting is recommended.



7. Close the cover plate and fasten the 4 screws with a torque of 0.5 N·m to 1 N·m .

FIXING THE MAIN UNIT TO THE WALL BRACKET

1. Hang the main unit from the top of the wall bracket.
2. Fasten the bolt at the bottom of the main unit using the T25 torx L-key (recommended torque 5.0 to 5.8 N·m).



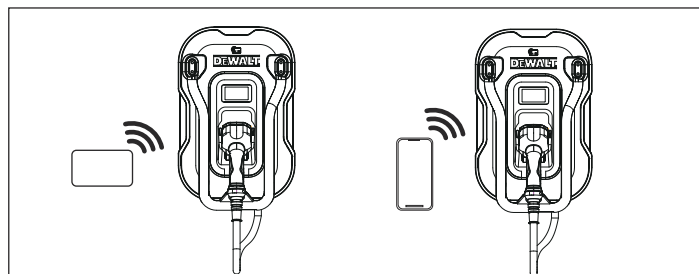
Operating Instructions

Display

Charging Status	Description
READY	Standby status. Power is connected to the product.
CHARGING	Charging is in progress.
CHARGING COMPLETE	The charging process is complete or in scheduled charging mode.
RESET SUCCESS	Network information and local data has been cleared.
UPGRADING	Firmware upgrade is in progress.

Charging

Start charging by RFID or by APP.



NOTICE: When the charging is complete, unplug the Type 2 connector . Place the charging handle back into the handle cradle of the main unit.

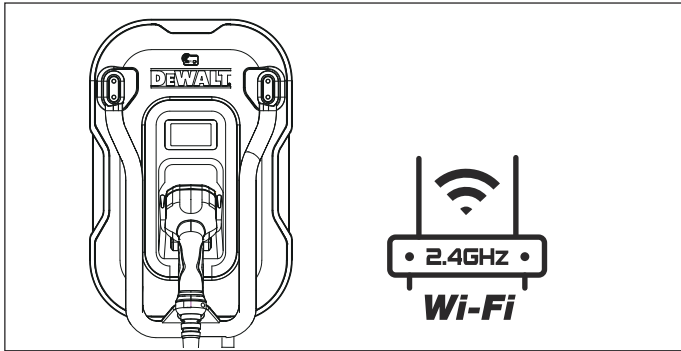
Registering and Connecting the Charger

Scan the code below to download the **DEWALT EV Charger** app to control the charging sessions, monitor the charging status in real-time and set charging schedules.



Connectivity

The product is equipped with a 2.4 GHz, 802.11b/g/n Wi-Fi to communicate with local routers and mobile devices.



Quick Setup for the APP

Please refer to the quick set-up guide to connect your device with the free **DEWALT EV Charger APP**.

The following functions can be found in the app:

Function	Description
Start/Stop Charging	Easily control your charge with the touch of a button.
Set up a Schedule	Want to charge during off peak hours? Schedule future charging sessions with the APP.
Soft Lock	Protect your device from an unauthorized user.
Notifications	Receive real time notifications of your current charge status.
Share an EV Charger	Provide access to the APP and EV charger by sending an invitation to your guests. Without an invitation, users will not be able to connect the APP with your DEWALT EV Charger.
Energy Monitor	Track your spending by entering your kilowatt per hour cost. The APP will estimate the cost of your charging sessions.
Charging History	Review your charge history.
Device Settings	APP main settings (timezone, language, etc.)
User Settings	Review your profile.
Firmware Upgrade	Latest versions of the DEWALT EV Charger APP can be found here.

Network Information and Local Data Reset

- The reset button for network information and local data is located inside the handle cradle on the main unit.
- Press and hold the reset button for 30 seconds to reset the product.



User Maintenance Instructions

⚠ WARNING: The product contains no user serviceable parts. Do not attempt to repair or service any other part of the product yourself.

⚠ WARNING: The installation, maintenance, and servicing of the product must only be performed by qualified personnel in accordance with applicable local regulations.

⚠ WARNING: Disconnect the charging handle from the vehicle's charging port and switch the circuit breaker off before cleaning.

- Do not use cleaning solvents to clean any part of the product.
- Cover the charging handle with the protective cover before cleaning.
- Regularly clean the product using a soft, dry cloth to remove accumulated dust and dirt.
- Regularly inspect the charging cable and plug for any visible damage or wear.

Moving and Storage Instructions

⚠ WARNING: When transporting the product, handle with care. Do not subject it to strong force or impact or pull, twist, tangle, drag or step on the product, to prevent damage to it or any components.

- Cover the charging handle with the plug cover before storing.
- Protect the product from any external impact.
- Store the product in a dry indoor area and within the storage temperature of -30 °C to + 50 °C . Keep away from children and pets.

Troubleshooting

Problem	Possible solution
The vehicle is not responding or charging.	- Verify that the product has power: Cycle utility power to the product by switching the circuit breaker off and then on. - Verify that the connector of the charging handle fits securely to the vehicle's charging port. - Verify that the vehicle has been turned off. - Inspect the product for damage. If damaged, stop using the product and switch the circuit breaker off. Contact customer service.
The app cannot find the product.	- Verify that the product has power: Cycle utility power to the product by switching the circuit breaker off and then on. - Restart the app.

NOTICE: If the solutions did not solve the problem, stop using the product. Switch the circuit breaker off and contact customer service for support.

Accessories

⚠ WARNING: Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this product could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Error Codes

Error code	Problem	Solution
E1	Under voltage	Switch the circuit breaker off, wait for 5 seconds and switch it back on.
E2	Over voltage	
E3	Over current	Wait for 30 seconds. If the fault remains, switch the circuit breaker off, wait 5 seconds and switch it back on.
E4	Ground fault	Switch the circuit breaker off, wait for 5 seconds and switch it back on.
E5	Current leakage	Switch the circuit breaker off, wait for 5 minutes and switch it back on.
E6	Over temperature	Switch the circuit breaker off and let the product cool down before switch it on again.
E7	Relay failure	Switch the circuit breaker off, wait for 5 seconds and switch it back on.
E8	Failed self-check	
E9	Comm fault	
E10	E-lock failure	Confirm that the stake end gun connection is plugged in, you can retry to unlock it (there is an unlock button on the APP side). If the fault still exists disconnect the circuit breaker and wait 30 seconds to reboot the machine.
E11	Diode fault	Switch the circuit breaker off, wait for 30 seconds and switch it back on. If the fault persists, verify that the vehicle diode is not faulty.
E12	CP fault	Switch the circuit breaker off, wait for 5 seconds and switch it back on.

Three Years Limited Warranty

The manufacturer warrants this product against defects in material and workmanship for a period of three (3) years from the date of retail purchase by the original end-user purchaser ("Warranty Period").

If there is a defect and a valid claim is received within the Warranty Period, the defective product can be repaired, replaced or refunded, without charge, in the following ways: (1) Return the product to the manufacturer for repair, replacement or refund at manufacturer's option. Proof of purchase may be required by manufacturer. (2) Return the product to the retailer where product was purchased for an exchange (provided that the store is a participating retailer). Returns to retailer should be made within the time period of the retailer's return policy for exchanges only (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.

This warranty does not apply to: accessories, bulbs, fuses and batteries; defects resulting from normal wear and tear, accidents; damages sustained during shipping; alterations; unauthorized use or repair; neglect, misuse, abuse; and failure to follow instructions for care and maintenance for the product.

This warranty gives you, the original retail purchaser, specific legal rights and you may have other rights which vary in certain states or provinces. This product is not intended for commercial use.

Specifications

Model:	EV200D-32W-22C
Rated input/output voltage:	380-415V AC Three Phase
Rated frequency:	50/60Hz
Rated current:	32A
Rated charging power:	22 kW
Charging connector:	Type 2 standard compliant
Cable length:	5 m
RCD	6mA DC / 30mA AC
Wi-Fi:	2.4 GHz, 802.11b/g/n
Agency approvals:	TUV
Altitude:	≤1.24 miles (≤2000 m)
Operating temperature:	-30 °C to + 50 °C
Storage temperature:	-30 °C to + 50 °C
Relative humidity:	≤95% RH, no water droplet condensation
IP rating:	IP65
Net weight:	6.64kg
Dimensions W x D x H (main unit):	28 x 18.9 x 44 cm



Certificate of Conformity

We, EVERFLOURISH GLOBAL DEVELOPMENT CO. LIMITED, hereby declare under our sole responsibility that the following item complies with the below European Directives and harmonised standards:

Applicable Directives

1. Radio Equipment Directive 2014/53/EU
2. RoHS Directive 2011/65/EU as amended by Regulation (EU) 2015/863

Standards:

EN IEC 62311:2020
EN 300328 V 2.2.2:2019
EN 300330 V 2.1.1:2017
EN 301489-1 V 2.2.3:2019
EN 301489-3 V2.3.2:2023
EN 301489-17 V 3.2.4:2020 BS
EN IEC 62311:2020 BS
EN IEC 61000-6-1:2019 BS
EN IEC 61000-6-3:2021 BS
EN IEC 61851-21-2:2021 BS
EN IEC 61851-1:2019

Product Model: EV200D-32W-22C/EV200D-32W-7C

Certificate No.: CN24QWR1 001

Wi-Fi specifications	
Wi-Fi standard	IEEE 802.11b/g/n
Wi-Fi frequency, frequency band	2.4 GHz 2400-2483.5MHz
Wi-Fi transmission power	≤20 dBm (EIRP)
Wi-Fi range	10m
Bluetooth specifications	
Frequency range	2.4 GHz 2400-2483.5MHz
Transmission power	≤20 dBm (EIRP)
Transmission range	10m
RFID	
RFID frequency	13.56MHz
RFID range	5cm
RFID transmission power	330mW

For and on behalf of
EVERFLOURISH GLOBAL DEVELOPMENT CO. LIMITED
恒達高環球發展有限公司

Ken Yu

Authorized Signature(s)

Signatory: Ken Yu

Position: Technical Manager

Company Name: Everflourish Global Development Co., Limited

Company Address: RM 908 TWO GRAND TOWER 625, NATHAN RD, KL, HongKong



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled, reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at www.2helpu.com

Manufactured by:
EverFlourish Smart Technology Corp., Ltd
369 Liansheng Road, Zhangji Town, Yinzhou, Ningbo, 315145, China
Made in PRC

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