

GONEO D3E-B32A

GONEO D3E-B32A EV Charging Station User Manual

7 kW 8A-32A Wall Box for Electric Vehicles

1. INTRODUCTION

Thank you for choosing the GONEO D3E-B32A Electric Vehicle Charging Station. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your charging station. Please read this manual thoroughly before installation and use, and retain it for future reference.

The GONEO D3E-B32A is a 7 kW single-phase wall box designed for electric vehicles, offering adjustable charging currents from 8A to 32A. It features advanced connectivity options including 4G, WLAN, Bluetooth, and OCPP 1.6J protocol support, along with RFID card functionality for secure access.

2. SAFETY INFORMATION

Always adhere to local electrical codes and safety regulations during installation and operation. Failure to do so may result in electric shock, fire, or serious injury.

- **Professional Installation:** Installation must be performed by a qualified and licensed electrician.
- **Environmental Protection:** The charging station is rated IP65 for dust and water resistance and IK10 for impact protection, allowing operation in various weather conditions. It is UL94V-0 fireproof.
- **Operating Temperature:** The unit is designed to operate between -30°C and 55°C.
- **Integrated Safety Features:** The charging station includes nine protection functions: over-current, over-voltage, undervoltage, over-temperature, leakage, grounding, lightning, short circuit, and surge protection.
- **Cable Integrity:** Regularly inspect the charging cable and connector for any signs of damage. Do not use if damaged.
- **Unauthorized Access:** Use the provided RFID cards to prevent unauthorized use of the charging station.

Multiple safety protections



Figure 2.1: The GONEO charging station incorporates multiple safety protections, including undervoltage, overcurrent, overvoltage, leakage, overheating, ground fault, lightning, surge, and short circuit protection, ensuring safe operation for both the user and the electric vehicle.



Figure 2.2: The charging station is built with IP65 water and dust resistance, IK10 impact protection, and UL94V-0 fire resistance, capable of operating in temperatures from -30°C to 55°C, ensuring durability in various environmental conditions.

3. PRODUCT OVERVIEW

The GONEO D3E-B32A charging station is designed for efficient and secure electric vehicle charging. Key features include:

- **High Charging Power:** Up to 7 kW charging power for fast and efficient EV charging.
- **Advanced Connectivity:** Supports 4G, WiFi, Bluetooth, and Ethernet for remote control and monitoring.
- **OCPP 1.6J Protocol:** Enables communication with central management systems for user billing and fleet management.
- **Secure Access:** RFID card functionality prevents unauthorized charging.
- **Durable Construction:** Ultrasonic welding technology for the charging head ensures lower temperature rise and enhanced safety. 8±2 micron silver-plated contacts provide superior conductivity and corrosion resistance.
- **Robust Protection:** IP65, IK10, UL94V-0 ratings, and nine integrated safety functions.
- **Flexible Installation:** Can be mounted on a wall or a pole.



Figure 3.1: The GONEO D3E-B32A charging station, complete with its main unit, integrated 5-meter Type 2 charging cable, two RFID cards for access control, and the necessary mounting accessories for installation.

4. SETUP AND INSTALLATION

The GONEO D3E-B32A charging station offers flexible installation options for both wall and pole mounting. It is crucial that installation is carried out by a certified electrician to ensure compliance with all electrical safety standards and optimal performance.

4.1 Pre-Installation Checklist

- Ensure the installation site has appropriate electrical supply (230V single-phase).
- Verify the mounting surface is structurally sound to support the unit's weight.
- Confirm all necessary tools and safety equipment are available.

4.2 Installation Steps (Overview)

1. **Mounting:** Securely attach the charging station to the chosen wall or pole using the provided mounting hardware.
2. **Electrical Connection:** Route the electrical cables from below into the charging station and connect

them according to the wiring diagram provided in the full installation guide (not included in this manual).

3. **Power On:** Once all connections are secure and verified, power on the unit.
4. **Network Configuration:** Configure the 4G, WiFi, or Ethernet connection as required for app control and OCPP communication.

For detailed wiring diagrams and step-by-step installation instructions, please refer to the dedicated installation manual provided with your product.

5. OPERATING INSTRUCTIONS

The GONEO D3E-B32A charging station is designed for user-friendly operation. Charging can be initiated via RFID card or through the mobile application.

5.1 Basic Charging Process

1. **Connect Vehicle:** Plug the Type 2 charging connector firmly into your electric vehicle's charging port.
2. **Authenticate:** Present your registered RFID card to the charging station's reader, or initiate charging via the 'Goneo EV Charger' mobile app.
3. **Charging Begins:** The station will perform a safety check, and charging will commence. The display will show charging status, power, and duration.
4. **Charging Completion:** Charging will automatically stop when the vehicle's battery is full or when manually stopped via RFID card or app.
5. **Disconnect Vehicle:** Remove the RFID card or stop charging via the app, then unplug the charging connector from your vehicle.

Charging Fast and Safely



IEC 62955
IEC 61851-1Ed3
IEC 60068-2-11:2021



AC30mA+DC6mA



7kW	32A	230V
11kW	16A	480V
22kW	32A	480V



Figure 5.1: The GONEO charging station provides fast and safe charging for electric vehicles, adhering to standards such as IEC 62955, IEC 61851-1ed3, and IEC 60068-2-11:2021, with AC30mA+DC6mA protection.

6. APP CONTROL

The 'Goneo EV Charger' mobile application provides comprehensive remote control and monitoring capabilities for your charging station. The station supports 4G, WiFi, Bluetooth, and Ethernet for network connectivity.

6.1 App Features

- **Remote Start/Stop:** Initiate or terminate charging sessions from your smartphone.
- **Appointment Charging:** Schedule charging sessions for specific times.
- **Power Adjustment:** Adjust the charging current (8A-32A) as needed.
- **Charging Status:** Monitor real-time charging progress, power consumption, and duration.
- **Reminders:** Receive notifications for charging completion and error alerts.
- **Data Analysis:** View charging power calculations and monthly data comparisons.

The 'Goneo EV Charger' app can be downloaded from your device's App Store.

APP remote control



Remote start/stop



Insertion error



Charge reservation



Charging completed



Charging power calculation



Charging data and comparison



Figure 6.1: The 'Goneo EV Charger' app allows for remote control of the charging station, including remote start/stop, charge reservation, charging completion reminders, charging power calculation, and detailed charging data comparison.



Figure 6.2: The GONEO charging station supports multiple network connection methods, including OCPP 1.6J, Bluetooth, Ethernet, 4G, and WiFi, enabling flexible remote management and communication.

7. RFID CARD USAGE

The GONEO D3E-B32A charging station includes RFID card functionality to prevent unauthorized use and manage access to charging sessions.

7.1 Activating a Charging Session with RFID

1. Ensure the charging cable is securely connected to your electric vehicle.
2. Hold your registered RFID card near the designated RFID reader area on the charging station.
3. The station will authenticate the card, and if successful, the charging session will begin.

7.2 Ending a Charging Session with RFID

1. To stop charging, present the same RFID card to the reader again.
2. The charging session will terminate, and you can then safely disconnect the cable from your vehicle.

RFID card

RFID card for preventing unauthorized persons from charging



Figure 7.1: An RFID card is used to activate the GONEO charging station, providing a secure method to prevent unauthorized individuals from initiating a charging session.

8. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your GONEO D3E-B32A charging station.

- **Cleaning:** Periodically clean the exterior of the charging station with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Cable Inspection:** Regularly inspect the charging cable and connector for any cuts, fraying, or damage. Replace immediately if damage is found.
- **Ventilation:** Ensure the area around the charging station is clear of obstructions to allow for proper ventilation.
- **Professional Check:** It is recommended to have a qualified electrician inspect the charging station and its electrical connections annually.

9. TROUBLESHOOTING

If you encounter issues with your GONEO D3E-B32A charging station, refer to the following basic troubleshooting steps. For more complex problems, contact customer support.

- **Charging Not Starting:**
 - Ensure the charging cable is fully inserted into both the station and the vehicle.
 - Verify your RFID card is registered and correctly presented.
 - Check the 'Goneo EV Charger' app for any error messages or to initiate charging remotely.
 - Confirm the charging station has power.
- **Slow Charging:**
 - Check the current setting in the 'Goneo EV Charger' app; ensure it is set to the desired amperage (up to 32A).
 - Verify your vehicle's charging settings.
- **Error Message on Display/App:**
 - Note the error code or message.
 - Refer to the app's FAQ or contact customer support with the error details.
- **No Network Connection:**
 - Check your WiFi router or 4G signal strength.
 - Ensure Ethernet cable is properly connected if using a wired connection.
 - Restart the charging station by cycling its power.

10. SPECIFICATIONS

Feature	Specification
Brand	GONEO
Model Number	D3E-B32A
Charging Power	Up to 7 kW
Current Range	8A-32A (Adjustable)
Voltage	230 V Single-Phase
Cable Length	5 meters
Connector Type	Type 2
Communication Protocols	OCPP 1.6J, 4G, WLAN, Bluetooth, Ethernet
Access Control	RFID Card
Ingress Protection (IP) Rating	IP65
Impact Protection (IK) Rating	IK10
Fire Rating	UL94V-0




Feature	Specification
Operating Temperature	-30°C to 55°C
Product Dimensions	5.12 x 5.12 x 19.69 inches (13 x 13 x 50 cm)
Item Weight	13.2 pounds (6 kg)
Certifications	CB, TÜV-CE, RoHS, REACH, IP65, IK10



11. WARRANTY AND SUPPORT

For warranty information, technical support, or service requests, please contact GONEO customer service through the official channels provided at the time of purchase or on the GONEO website. Please have your model number (D3E-B32A) and purchase details ready when contacting support.

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Related Documents - D3E-B32A

	<p>Goneo D3E EV Wallbox: Konfiguration über Browser und App</p> <p>Diese Anleitung beschreibt die Konfiguration der Goneo D3E EV-Ladestation. Sie lernen, wie Sie die Ladestation über die integrierte Offline-Webseite im Browser oder über die mobile App 'Goneo EV Charger' einrichten und vernetzen. Die Schritte umfassen die Verbindung mit dem WLAN-Hotspot, die Anmeldung, die Eingabe von Netzwerkeinstellungen wie WLAN, LAN und 4G sowie die Nutzung der App für eine einfache Konfiguration.</p>
	<p>GONEO Electric Car Charging Station Wallbox Installation Video and Guide</p> <p>Access the installation video and guide for the GONEO Wallbox, an 11kW, 3-phase EV charging station with WiFi control and IP65/IK10 protection. This document provides essential setup information.</p>
	<p>Goneo EV Charger Wallbox Configuration Guide</p> <p>Comprehensive guide to configuring your Goneo EV Charger wallbox via web browser or mobile app, covering WLAN, LAN, 4G, and advanced settings.</p>

	<p>GONEO 87W 5-Port USB Charging Station GNV-USA905 - Specifications and Safety</p> <p>Detailed information about the GONEO 87W 5-Port USB Charging Station (Model GNV-USA905), including specifications, features, safety instructions, and FCC compliance.</p>
	<p>GONEO 4-Port USB C Power Station - Fast Charging and Safety Features</p> <p>Discover the GONEO 4-Port USB C Power Station, featuring 30W PD fast charging, compact design, and multiple safety protections for your devices. Includes detailed input/output specifications.</p>