



E-bike charging station h987_09

E-bike charging station consisting of a column and 8 modules. With 1x Schuko 16 A / 1x USB 1.5 A / up to 2x optional e-bike charging plugins per single module. Total power supply: 9 KW three-phase. Total dimensions: W 5200 x D 300 x H 1550 mm.

The **H987_09 charging station** is a **complete and modular solution for the charging and maintenance of electric bicycles and scooters**, designed for **installation in public, semi-public, and corporate environments**. Thanks to its **expandable structure consisting of a main column and 8 additional modules**, this station allows for **multiple charging points** and a safe and protected service for every type of user.

The charging column is **remotely managed**, meaning the activation of the charging and the opening of the maintenance compartment occurs via a **management system**. It is, therefore, necessary to have a **SIM card**. The customer can provide the SIM independently, which will then be connected to the management system, or, alternatively, can request the SIM, upon quotation, during the purchase of the column. The purchase of the SIM will involve the **payment of a monthly fee** and the **connection to the management system**.

The **central column** integrates **4 charging points** (2 interlocked Schuko sockets and 2 always-active USB ports), and is equipped with **2 metal supports** for leaning bikes or scooters during charging or maintenance. The supports can be used as saddle or handlebar supports and are equipped with an **anti-theft system** to ensure the secure docking of the vehicle.

A distinctive element of the column is the **integrated maintenance compartment**, which contains **24 professional tools**, securely locked to offer the possibility of carrying out **small technical interventions independently**, without the need for specialized personnel.

The **8 supplementary modules**, connected to the column structure, significantly expand the station's capacity. Each module includes **1x 16 A Schuko socket and 1x 1.5 A USB port**, with the possibility of adding up to **2 optional plugins** for proprietary connections. Furthermore, each module is equipped with a **27-liter storage compartment**, accessible via **electronic opening controlled by the column**, ideal for storing chargers or other personal items protected from rain, humidity, and tampering.

The entire system is designed to operate according to the **CEI EN 61851-1 Standard**, in **Mode 3**, which represents the standard required in Italy for charging in public environments. Specifically, Mode 3 charging provides for the direct connection of the electric vehicle to the AC supply network, using dedicated power supply equipment. This ensures **maximum safety and regulatory compliance**, with interlocked sockets and magnetothermic protection. System management occurs via **SIM card connection** (not included, available on request) and user interaction is facilitated by authentication with a **smartphone or RFID system**.

Enhance your urban or corporate space with a complete and certified station. Purchase the **H987_09 e-bike charging station** or request a quote for the SIM supply and for customized configurations.

Technical specifications:

- **Total dimensions:** W 5200 x D 300 x H 1550 mm
- **Composition:** 1 column and 8 modules
- **Operation:** via SIM (SIM not included in the supply) and management system. The customer can provide the SIM independently, which will then be connected to the management system, or, alternatively, can request the SIM, upon quotation, during the purchase of the column. The purchase of the SIM will involve the payment of a monthly fee and the connection to the management system
- **Total power supply:** 9 KW three-phase
- **Column dimensions:** 400 x 300 x 1550 mm
- **Column weight:** 85 Kg
- **Electrical parts protection:** IP55
- **Mechanical resistance:** IK08
- **Operating temperature:** from -20°C to +80°C (with optional plugins from -20°C to +60°C)
- **Operating relative humidity:** 5% - 95%
- **Frame:** Painted galvanized iron
- **Finish:** RAL 9003 powder coating

- **Integrated protection:** RESTART RD 4-pole, pure residual current circuit breaker 25 A Type A, $I_{dn} = 0.03$ A, compliant with EN 50022
- **Operation indication:** RGB LED
- **Auxiliary power supply:** 12V and 5V
- **Nominal voltage:** 230 V single-phase / 400 V three-phase
- **Max current per socket:** 6 A
- **Max output power:** 1 kW per socket
- **Connection:** GPRS / GSM / WIFI / ETHERNET (optional) / BLUETOOTH (optional) / LORA (optional)
- **Data Bus:** RS232
- **Protocol:** OCPP 1.6 JSON, OCPP 2.0.1
- **Payment system:** Smartphone, RFID system, NFC
- **Authentication:** Smartphone, RFID, NFC
- **Connector type:** Schuko socket with interlock, universal USB, optional plugins
- **Single module dimensions:** 600 x 300 x 315 mm
- **Single module storage compartment dimensions:** 590 x 145 x 315 mm
- **Module weight:** 40 Kg
- **Electrical parts protection:** IP55 components
- **Electronic operating temperature:** From -20°C to +80°C, with optional plugins: from -20°C to +60°C
- **Relative humidity:** From 5% to 95%
- **Frame:** Painted galvanized iron
- **Finish:** RAL 9003 powder coating
- **Integrated protections:** 6A Circuit breaker
- **Connector type:** 1x Schuko 16 A, 1x USB 1.5 A, up to 2x optional e-bike charging plugins
- **Max output power:** 1 KW per socket
- **Nominal voltage:** 230 V
- **Max charging current per socket:** 6A
- **Payment system:** Smartphone, RFID System
- **Authentication:** Smartphone, RFID System
- **Operating status:** Indication via RGB LED
- **Connection:** Via Zeus One
- **Data Bus:** RS232
- **Communication protocol:** From OCPP 1.6 JSON to OCPP 2.0.1

Options:

- **Compressor:** gun with pressure gauge to check inflation pressure and adapters for valves of various sizes
- **Compressor dimensions:** W 31.4 x D 20.1 x H 34.7 cm
- **Weight:** 5 Kg
- **Pressure:** 8 bar
- **Power:** 1.1 kW
- **Sound pressure level:** 800 grams

User benefits:

- **Charging:** simultaneous of light electric devices.
- **Compartment:** safe and protected storage for personal items or chargers.
- **System:** anti-theft for bikes and scooters during charging.
- **Access:** easy access to tools for autonomous maintenance.
- **Compliance:** with regulations for public environments (Mode 3, CEI EN 61851-1).

FAQ:

1. **Is it possible to use this station in a public area open to traffic?**
Yes, the H987_09 station complies with the CEI EN 61851-1 standard and uses Mode 3, as required by Italian regulations for public environments.
2. **How many vehicles can I charge simultaneously?**
With the column and the 8 modules, you can charge multiple vehicles together.
3. **Is the compartment in the modules safe?**
Yes, each module has a 27-liter compartment, protected from atmospheric agents and accessible only via electronic command from the column.
4. **Is a SIM card required for operation?**
Yes, the system only works with a SIM card (not included), which can be purchased separately via quotation.
5. **How does authentication for use occur?**
Via smartphone, RFID, or NFC, depending on the system configuration.

Mini purchasing guide:

If you want to install an **electric bicycle charging station** in an environment open to the public or with a high frequency of use, it is essential that the system operates in **Mode 3**, as provided for by the CEI EN 61851-1 standard.

The presence of **supplementary modules** allows for increased capacity and offers a **secure storage service** for personal items.

Always check **compatibility with OCPP protocols**, the availability of remote connection, and the presence of **smart**

authentication and payment devices.

The H987_09 station is ideal for Municipalities, companies, campuses, hotels, and all entities that want to offer a complete, safe, and compliant infrastructure.

Public electric bike charging station, e-bike station with storage modules, Mode 3 electric bike charging, e-bike charging and maintenance column, secure electric bike charging modules, multifunction station for electric scooters

**Image purely indicative.*

**For the operation of the column, it is NECESSARY to obtain a SIM card (not included in the supply and available upon quotation).*

**The customer can choose whether to obtain a SIM independently, which will then be connected to the management system (upon quotation and with payment of a monthly fee), or request the SIM upon quotation, directly during the purchase of the column. In both cases, the activation of the SIM and the connection to the management system involve the payment of a monthly fee, defined upon quotation.*

**Upon quotation, it is possible to request customization with a logo.*

INFORMATION

- **Number of Sockets/Chargers** 8
- **Length in millimetres** 5200.000000
- **Height in millimetres** 1550.000000
- **Operation** With App
- **Depth in millimetres** 300.000000
- **Strengths** Con attrezzi di manutenzione, Con kit gonfiaggio

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Operation: With App

Number of Sockets/Chargers: 8

