



Charging station for electric bikes h987_07

E-bike charging station consisting of a main column and 6 modules. With 1x Schuko 16 A / 1x USB 1.5 A / up to 2x optional e-bike charging plugins per individual module. Total power supply: 7 KW three-phase. Total dimensions: W 4000 x D 300 x H 1550 mm.

The **H987_07 charging station** is an integrated system for the **charging and maintenance of electric bicycles and scooters**, designed for installations in urban and corporate contexts, and in all spaces open to third-party users, such as public car parks, bike hotels, rest areas, or university campuses.

The structure consists of a **main column** and **6 integrated modules managed by the column**, anchored to it, which expand its functionalities and charging points. Each individual additional module offers **2 outlets (1 Schuko + 1 USB each)** with the possibility of **adding up to 2 optional plugins**, as well as an **internal 27-litre compartment** for storing chargers, personal items, or tools, **protected from the elements**. The compartment opens via electronic command directly from the column, ensuring safety and practicality.

The charging station is **remotely managed**, meaning that 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 their own SIM, which will then be connected to the management system, or, alternatively, can request the SIM, upon quotation, during the purchase of the station. The purchase of the SIM will involve the **payment of a monthly fee** and the **connection to the management system**.

The central column is equipped with **4 active charging points** (2 interlocked Schuko outlets + 2 1.5A USB outlets) and a **professional tool compartment** with **24 integrated tools** for small repairs, such as screwdrivers, multitools, pliers, and a pump. The two **side supports** allow for holding the bike or scooter both for anti-theft docking during charging and for quick and safe maintenance operations.

The entire system operates in **Mode 3**, in compliance with the **IEC EN 61851-1 standard**, as required for installations in environments open to the public. Specifically, Mode 3 charging involves the direct connection of the electric vehicle to the AC power grid, using dedicated power equipment. This guarantees **maximum safety and compatibility with legal requirements for AC power supply** through dedicated devices for charging electric vehicles.

The **connection and activation system** of the column occur via **SIM (not included)**, to be purchased separately, and can be managed remotely via **smartphone or RFID**. The system supports **OCPP 1.6 and 2.0.1** protocols, making it compatible with most charging management platforms.

Choose the **H987_07 station** for a complete, safe, and regulation-ready infrastructure. Ideal for public and private areas that want to encourage sustainable mobility. Contact us for a personalized quote or for the purchase of the compatible SIM.

Technical features:

- **Total dimensions:** W 4000 x D 300 x H 1550 mm
- **Composition:** 1 column and 6 modules
- **Operation:** via SIM (SIM not included in the supply) and management system. The customer can provide their own SIM, which will then be connected to the management system, or, alternatively, can request the SIM, upon quotation, during the purchase of the station. The purchase of the SIM will involve the payment of a monthly fee and the connection to the management system
- **Total power supply:** 7 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%

- **Body:** Painted galvanized iron
- **Finish:** RAL 9003 powder coating
- **Integrated protection:** RESTART RD 4-pole, 25 A Type A RCCB, I_{dn} = 0.03 A, compliant with EN 50022
- **Operating indication:** RGB LED
- **Auxiliary power supply:** 12V and 5V
- **Nominal voltage:** 230 V single-phase / 400 V three-phase
- **Max current per outlet:** 6 A
- **Max output power:** 1 kW per outlet
- **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 outlet with interlock, universal USB, optional plugins
- **Individual module dimensions:** 600 x 300 x 315 mm
- **Individual module storage compartment dimensions:** 590 x 145 x 315 mm
- **Module weight:** 40 Kg
- **Electrical parts protection:** IP55 components
- **Electronics operating temperature:** From -20°C to +80°C, with optional plugins: from -20°C to +60°C
- **Relative humidity:** From 5% to 95%
- **Body:** Painted galvanized iron
- **Finish:** RAL 9003 powder coating
- **Integrated protections:** 6A Miniature circuit breaker
- **Connector type:** 1x Schuko 16 A, 1x USB 1.5 A, up to 2x optional plugins for e-bike charging
- **Max output power:** 1 KW per outlet
- **Nominal voltage:** 230 V
- **Max charging current per outlet:** 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:

- **Possibility:** to charge with 6 modules.
- **Single module access:** secure access to 27-litre storage compartments for objects and chargers.
- **System:** anti-theft for docking and safety during charging.
- **Access:** to tools for quick and autonomous maintenance.
- **Compatible:** with remote management systems and control via app.

FAQ:

- 1. Is the column suitable for open public environments?**
Yes, it complies with the IEC EN 61851-1 Standard with Mode 3 charging, which is mandatory for environments open to third parties.
- 2. What is the capacity of a single module compartment?**
Each individual compartment of the six modules has a capacity of 27 litres.
- 3. Is a connection required for operation?**
Yes, the column works exclusively via SIM card (not included), which can be purchased on request.
- 4. How do you access the storage compartment of the modules?**
The opening of the 27-litre compartment occurs via electronic command from the column, only for authenticated users.
- 5. Can I integrate plugins for other connectors?**
Yes, it is possible to add up to 4 personalized plugins on the column and 2 for each module.

Mini purchase guide:

When choosing a charging station for electric bicycles or scooters, it is essential to evaluate **the number of available outlets**, **regulatory compliance**, and **electrical safety**.

In public settings or those open to third parties, it is mandatory that charging takes place in **Mode 3**, as provided by IEC EN 61851-1.

The presence of **integrable modules** with closed compartments increases the value of the service, also allowing for the safe

storage of personal items or chargers.

Consider the possibility of **remote management via OCPP and RFID systems**, ideal for smart installations with digital payment.

Public electric bike charging station, Mode 3 e-bike charging pillar, bike charging module with storage compartment, pillar for urban electric mobility, station with Schuko and USB outlet for e-bikes.

**Image for illustrative purposes only.*

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

**The customer can choose whether to independently obtain a SIM card, which will then be connected to the management system (upon quotation and with payment of a monthly fee), or request the SIM card upon quotation, directly during the purchase phase 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** 6
- **Length in millimetres** 4000.000000
- **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: 6

