



E-bike charging point h987_08

E-bike charging station consisting of a pillar and 7 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: 8 KW three-phase. Total dimensions: W 4600 x D 300 x H 1550 mm.

The **H987_08 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 pillar** and **7 integrated modules managed by the pillar**, anchored to it, which expand its functions and charging points. The individual additional modules offer **2 sockets (1 Schuko + 1 USB each)** with the possibility of **adding up to 2 optional plugins**, as well as an **internal 27-liter compartment** to store chargers, personal items, or tools, **protected from atmospheric agents**. The compartment opens via electronic command directly from the pillar, ensuring safety and practicality.

The central pillar is equipped with **4 active charging points** (2 interlocked Schuko sockets + 2 USB 1.5A sockets) and a **professional tool compartment** with **24 integrated tools** for minor repairs, such as screwdrivers, multitools, pliers, and a pump. The two **lateral supports** allow for supporting the bike or scooter both for anti-theft stalling during charging and for quick and safe maintenance interventions.

The pillar is **remote-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 their own SIM card, which will then be connected to the management system, or, alternatively, can request the SIM, upon quote, when purchasing the pillar. The purchase of the SIM will involve the **payment of a monthly fee** and the **connection to the management system**.

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 provides for the direct connection of the electric vehicle to the AC supply network, using dedicated power supply equipment. This ensures **maximum safety and compatibility with legal requirements for AC power supply** through devices dedicated to electric vehicle charging.

The **connection and activation system** of the pillar 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_08 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 a compatible SIM card.

Technical features:

- **Total dimensions:** W 4600 x D 300 x H 1550 mm
- **Composition:** 1 pillar and 7 modules
- **Operation:** via SIM (SIM not included in the supply) and management system. The customer can provide their own SIM card, which will then be connected to the management system, or, alternatively, can request the SIM, upon quote, when purchasing the pillar. The purchase of the SIM will involve the payment of a monthly fee and connection to the management system
- **Total power supply:** 8 KW three-phase
- **Pillar dimensions:** 400 x 300 x 1550 mm
- **Pillar 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, EN 50022 compliant
- **Operation indicator:** RGB LED
- **Auxiliary power supply:** 12V and 5V
- **Rated 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 plugins for e-bike charging
- **Max output power:** 1 KW per socket
- **Rated 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

Optional:

- **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 7 modules.
- **Single module access:** secure access to 27-liter storage compartments for items and chargers.
- **System:** anti-theft for stalling and security during charging.
- **Access:** to tools for quick and autonomous maintenance.
- **Compatible:** with remote management systems and control via app.

FAQ:

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

Mini purchasing guide:

When choosing a charging station for electric bicycles or scooters, it is essential to evaluate **the number of sockets available**, **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 required by IEC EN 61851-1.

The presence of **integrable modules** with closed compartments increases the value of the service, also allowing the safe storage of personal items or chargers.

Consider the possibility of **remote management via OCPP and RFID systems**, ideal for smart installations and 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 socket for e-bikes.

**Image purely indicative.*

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

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

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

INFORMATION

- **Number of Sockets/Chargers** 7
- **Length in millimetres** 4600.000000
- **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: 7

