Namiti S.r.l. - P. Iva 06162571217 - N. Rea: 799272
Sede leg.: Via Contile, 16 - 80069 Vico Equense (NA)
Sede Op.: Corso Italia, 192 - 80063 Piano di Sorrento (NA)
Email: vendite@holity.com / Tel. 0818087452

Electric bicycle charging point h987_06

E-bike charging station consisting of a column and 5 modules. With 1x Schuko 16 A / 1x USB 1.5 A / up to 2x optional e-bike charging plugins per single module. Total power: 6 KW three-phase. Total dimensions: W 3400 x D 300 x H 1550 mm.

The **H987_06 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 parking lots, bike hotels, rest areas, or university campuses.

The column is **remote-managed**, meaning that the activation of charging and the opening of the maintenance compartment occurs via a **management system**. It is, therefore, necessary to have a **SIM**. 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 phase of the column. The purchase of the SIM will involve the **payment of a monthly fee** and the **connection to the management system**.

The structure is composed of **one main column** and **5 integrated modules managed by the column**, anchored to it, which expand its functionality 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 a **27-liter internal compartment** to store chargers, personal items, or tools, **protected from atmospheric agents**. The compartment opens via electronic command directly from the column, ensuring safety and practicality.

The central column 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 small repairs, such as screwdrivers, multitools, pliers, and a pump. The two **lateral supports** allow for supporting the bike or scooter both for anti-theft parking during charging and for quick and safe maintenance interventions.

The entire system operates in **Mode 3**, in compliance with the **standard CEI EN 61851-1**, 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 supply network, using dedicated supply equipment. This guarantees **maximum safety and compatibility with legal requirements for AC power supply** through devices dedicated to 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_06 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 specifications:

- **Total dimensions:** W 3400 x D 300 x H 1550 mm
- **Composition**: 1 column and 5 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 phase 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:** 6 KW three-phase
- **Column dimensions:** 400 x 300 x 1550 mm
- **Column weight:** 85 Kg
- **Protection of electrical parts:** IP55
- **Mechanical resistance:** IK08
- **Operating temperature:** from -20°C to +80°C (with optional plugins from -20°C to +60°C)
- **Relative operating humidity:** 5% - 95%
- **Shell:** Painted galvanized iron
- **Finish:** RAL 9003 powder coating

- **Integrated protection:** RESTART RD 4-pole, pure differential 25 A Type A, Idn = 0.03 A, compliant with EN 50022
- **Operation indication:** 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
- **Protection of electrical parts:** 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%
- **Shell:** 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 recharge with 5 modules.
- **Single module access**: secure to 27-liter storage compartments for items and chargers.
- **System:** anti-theft for parking and safety during charging.
- **Access:** to tools for quick and autonomous maintenance.
- **Compatible:** with remote management systems and app control.

FAQ:

1. **Is the column suitable for open public environments?**
   Yes, it complies with the CEI EN 61851-1 Standard with Mode 3 charging, mandatory for environments open to third parties.
2. **What is the capacity of a single module compartment?**
   Each individual compartment of the five modules has a capacity of 27 liters.
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 I access the module storage compartment?**
   The opening of the 27-liter 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 station for charging electric bicycles or scooters, it is essential to evaluate **the number of available sockets**, **regulatory compliance** and **electrical safety**.

In public or third-party areas, it is mandatory that charging occurs in **Mode 3**, as provided by CEI EN 61851-1.

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

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

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

**Image purely indicative.*

**For the operation of the column it is NECESSARY to have a SIM (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 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** 5
- **Length in millimetres** 3400.000000
- **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: 5