# JuicePole

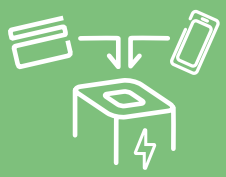

## GENERAL FEATURES

Fully equipped charging station for management of AC conductive charging of Electric Vehicles using an on-board charger up to 44 kW. JuicePole charges two vehicles at the same time (22 kW each plug).

## The JuicePole offers the following functions:

- Access to charging procedure via mobile APP and RFID card
- Real time communication with Control Centre (EMM) via UMTS/ Ethernet
- Identification and charging authorization from EMM
- Remote control of the charging processes
- User interface to support the customer during the charging session
- Data acquisition and transmission for each charging process
- Equipped with two charging sockets that can work in parallel
- Compatible with all EVs: self-locking socket Type 2/Type3a available in Europe
- JuicePole is equipped with an anti-vandal system which protects the station and the sockets when it is in stand-by mode
- JuicePole is equipped with two locking systems that prevent unauthorized disconnection of the plugs during charging
- Fully weatherproof enclosure
- Able to be integrated into Smart Charging Logics thanks to specific algorithm and advanced smart metering functions

# Users instructions



**1** **Identify yourself before gaining access to the service with an App on smartphone; or by means of an RFID (Wireless) Smart Card**

**2** **Await feedback from the charging station**

**3** **Connect the cable and the recharge session starts automatically**

# Intended use

### PUBLIC

Charging station installed in a public area or in a private area with public access, open to all type of customers.

### PRIVATE

Charging station installed in a private area, available to a limited group of users, for private charging only.

## POWER SUPPLY:

- AC POWER SUPPLY 3P/1P + N + PE
- AC POWER VOLTAGE 230/400 VAC, 50Hz (*)
  - single and three phase input (*) ready for 60hz power supply

## AC OUTLET

MODE 3 IEC61851-1

| | |
|---|---|
| Socket Type 3A IEC62196-2 – IP54 (Shutters) | **Single phase:** 1P + N + PE + XXD<br>**Max Power:** 3,7 kW<br>**Max current:** 16 A |
| Socket Type 2 IEC62196-2 IP54 (Shutters) | **Three phase:** 3P + N + PE + Pilot + Proximity + XXD<br>**Max Power:** 22 kW<br>**Max current:** 32 A |

| Product | Product Code | Description | Grid Communication Interface | Customer Communication Interface | Features | Standard version | Customization options |
|---|---|---|---|---|---|---|---|
| Enel X JuicePole 03+22 | 1.00JPA03223 ECEU-SDx CA1-000 | Type 3A 3kW + Type 2 22kW (25kW 32A @400V) | UMTS SIM Ethernet | Bluetooth RfId | Top Skin: | Glossy Black | Glossy Moonwhite |
| | | | | | Bodyshell: | Powder-coated stainless steel Light grey matt | Corian® Moonwhite matt |
| Enel X JuicePole 22+22 | 1.00JPA22223 ECEU-SZx CA1-000 | Type 2 22kW + Type 2 22kW (44kW 64A @400V) | UMTS SIM Ethernet | Bluetooth RfId | Top Skin: | Glossy Black | Glossy Moonwhite |
| | | | | | Bodyshell: | Powder-coated stainless steel Light grey matt | Corian® Moonwhite matt |

## ELECTRICAL CHARACTERISTICS

- ***Configuration 25kW:*** 32A @400V (Single phase Type 3A + Three phase Type2)
- ***Configuration 44kW:*** 64A @400V (Three phase Type2 + Three phase Type2)

## TECHNICAL CHARACTERISTICS

- 2 Smart certified Meter MID
- Identification by mobile App or RFID card
- Monitor TFT 10''
- Electrical protection Single-phase/Three-phase: MCB (curve D) e RCD type B (30 mA)
- MCB and RCD protections can be reset by automatic/remote control system

## COMMUNICATION STANDARDS

- Connection to the central management system using SIM CARD, Ethernet
- Built-in RFID and Bluetooth for local connectivity

## ENVIRONMENTAL SETTINGS

- Operative temperature: -30 °C ÷ +50 °C
- Operating humidity: 5% ÷ 95%
- Atmospheric pressure: 860 hPa ÷ 1.060 hPa
- IP Rating: IP 54 (Weatherproof, dust-tight)
- Mechanical Impact: IK10
- Charging station flammability rating: UL94 V0

## CUSTOMIZATIONS

- Shell customization: colors, materials, stickers/film
- Graphic User Interface customization: colors

## WEIGHT & DIMENSIONS

- Weight: 70 Kg
- Dimensions: 1475,5mm x 335mm (diameter)

## SAFETY

- CEI EN 61851-1 Ed. 2
- CEI EN 62196-2