

# Intelligente EV-Ladestation 2 x 22kW

## EMN044ADS0GM



3 Phasig



Type 2 Socket



LAN / WLAN



RFID



FI/LS-Schalter



5" Touchscreen



IP65 & I08

Produkt Info



With the EM2GO EV charging station with two **Type 2 sockets**, two e-vehicles can be charged simultaneously with up to **22kW** safely and quickly. During charging, connected Type 2 charging cables are locked. Charging cables can be permanently locked to use the charging station as a cable variant. The EM2GO charging station with **intelligent control** has a variety of communication interfaces including **Ethernet**, **WiFi** and a **cellular modem** for secure and fast transmission via **EDGE**, **3G** or **LTE/4G**.

The charging station has an integrated **local load management** for up to **16 charging stations** to share the available power. Furthermore, the **OCPP 1.6-J** and **ModBus TCP** standards are supported for monitoring and control with, for example, a central management system (backend) or a photovoltaic system. With the cellular modem, secure mobile data transmission is possible via EDGE, 3G or LTE/4G with the appropriate **SIM card**.

Two **calibrated energy meters (MID)** integrated into the charging station, whose values can also be read directly at the charging station for control purposes, enable **tamper-proof and kilowatt-hour-accurate billing**. Furthermore, the charging station has a **five-inch touchscreen display** that provides information on the status of the charging points, the charging status, as well as charging voltage, current and power.

An **RFID reader** for authentication is also available. The charging station offers the highest level of safety with the built-in **residual current circuit**

**breaker (RCBO)** and the **residual current sensitive unit (RCMU)** to protect against fault currents and overloads. Furthermore, the charging station provides protection against **over/under voltage**, **fault currents**, **short circuits** and **high temperatures**.

An **LED band** indicates the status of the wallbox and informs about the proper charging process. The **two cylinder locks** allow easy installation and protect against theft. The housing is specified according to **IP65** and **IK08** and allows outdoor use. A stand column for up to two charging stations is available as an accessory.

The EV charging station is delivered together with the **becharged dashboard**. After registration, the charging station can be conveniently controlled and managed via the central dashboard, including a **web app**. The becharged dashboard includes the overview of the charging station/ user and **graphical evaluations** of the charging processes. For reporting purposes, the transactions that have taken place can be exposed. Simple load management allows to limit the amount of electricity used by the charging station. Additional functions, such as **billing services**, can be enabled through **value-added services** in the becharged dashboard.

## Technical data:

- Operating voltage: 400V AC  $\pm 10\%$  , 50-60 Hz
- Operating current: 64 Amps
- Max. Output power per charging point:
  - 1-phase 32A up to 7.4kW
  - 2-phase 32A up to 14.7kW
  - 3-phase 32A up to 22kW
- Local load management up to 16 stations
- Integrated calibrated energy meters (MID)
- Integrated 4G module (EDGE/3G/4G)
- Display: 5-inch touch screen display, LED band
- Phase mode: 3 phases + N + PE
- Interfaces:
  - Ethernet (RJ-45)
  - WiFi (2.4GHz)
  - Mobile module
- Backend connectivity:
  - OCPP standard 1.6-J (WS & WSS)
- ModBus TCP support
- Integrated RFID card reader
- Connection: 2x type 2 socket
- Safety:
  - FI/LS switch,
  - All-current sensitive residual current sensors (RCMU),
  - Emergency stop button,
  - Over temperature, over/under voltage, over current,
  - Grounding protection
- Operating temperature: -30 to +55 °C
- Housing: IP65, IK08
- Dimensions: 33,4 x 50,3 x 15,5 cm (WxHxD)
- Weight: 13,8 Kg



Column optional available.

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