

KOSTAL ENECTOR G2 wallbox

Simple, smart charging

As part of your PV system, we recommend the KOSTAL ENECTOR G2 wallbox – the ideal solution for efficient and convenient charging of your electric car at home. It delivers charging power of **up to 3.7 kW (single-phase) and 11 kW (three-phase) with automatic phase switching. RFID card authorisation protects against unauthorised access.** An auto-start function can be set up as an option – simply plug in and charge.

The ENECTOR G2 wallbox impresses with its **compact, elegant design** and **robust housing (IP54)**, which enables safe use both indoors and outdoors. A **7.5-metre charging cable with a Type 2 plug** is permanently integrated, offering maximum convenience. Your safety is ensured by the **integrated DC fault current monitoring** and an unbalanced load limiter.

When used in combination with the KOSTAL PLENTICORE G3 or the KOSTAL Smart Energy Meter G2, you have access to smart convenience features such as **Solar Pure Mode** (charging with pure solar power) or **Time Mode** (time-controlled charging). Thanks to automatic phase switching, EEBUS communication via the KOSTAL PLENTICORE G3 or the KOSTAL Smart Energy Meter G2, and §14a standby capability, the ENECTOR G2 is also equipped to meet future requirements for smart load control.

Technical specifications

- **Charging power:**
 - Maximum **3.7 kW (single-phase)**
 - Maximum **11 kW (three-phase)**
 - **Current:** Up to **16 amps per phase**

Charging cable:

- **7.5-metre** permanently attached **Type 2 AC charging cable**
- Type 2 charging plug

Compatibility:

- All vehicles that use **Mode 3 charging in accordance with IEC 61851**
- ISO 15118-20 compliant

Mains connection:

- 3N~, AC, 400 V or 1N~, AC, 230 V

Safety features:

- **Integrated DC fault current monitoring** (RDC-MD >6 mA); requires only a **Type A RCD** for pre-installation
- **Unbalanced load limitation** to protect against asymmetrical mains load
- **Blackout protection** (monitoring of household power consumption in combination with PLENTICORE G3, KOSTAL Smart Energy Meter or an external energy meter)

- External load shedding/shutdown in the event of a fault, as well as charging current reduction (downgrade input)

Operation:

- **Simply plug in and charge** via autostart, optionally with RFID authorisation for controlled access
- Status information easily readable via **LED display**
- Low standby power consumption: **< 5 watts** in standby

Construction and installation:

- **Compact and elegant design**
- Dimensions (H x W x D): **412 x 242 x 180 mm**
- Weight: **4.9 kg (NECTOR G2 MID with integrated MID meter: 5.3 kg)**
- Wallbox protection rating: **IP54** (suitable for indoor and outdoor installation)
- Protection class: I
- Installation type: **Wall-mounted**
- Cable entry: **top / bottom / rear**
- Pre-wired and ready for connection

Optional convenience features (automatically enabled via software update: PLENTICORE G3 from version 3.07.10 or KOSTAL Smart Energy Meter KSEM G2 from version 2.8.0):

- **Lock Mode** (disabling the charging function)
- **Solar Pure Mode** (charging exclusively with self-generated solar power)
- **Solar Plus Mode** (charging power adjusted to minimise grid power consumption)
- **Power Mode** (fast charging at maximum power)
- **Time Mode** (time-controlled scheduling on an hourly basis for each day of the week)

Connectivity and future-proofing:

- **Integrated LAN and Wi-Fi** for network connectivity
- **Activation via RFID card** – RFID cards included in the scope of delivery
- **Communication in accordance with ISO 15118-20** (activation via software update in 2027, provided the vehicle also supports this standard)
- **EEBUS communication** (in combination with KOSTAL PLENTICORE G3 or KOSTAL Smart Energy Meter G2) and **§14a-ready** for smart load control
- **Optionally available as the NECTOR G2 MID** with a MID-compliant, billing-capable energy meter – e.g. for billing charging sessions for company cars

Visualisation of charging data via the integrated Wallbox web interface (including CSV data export), the KOSTAL Solar Portal, the PLENTICORE G3 with Multi Device Control (MDC) or the KOSTAL Smart Energy Meter

If you have any questions or requests regarding our product descriptions, please do get in touch!

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