

Wallbox eNext

The perfect EV charger for your digital home

Application

Designed to be installed (both indoors and outdoors) at private homes, communal blocks, workplaces.



Concept Design

eNext has been designed to simplify the charging process. We developed an authorization method via app that allows the user to start charging without any interaction with the charger.

In terms of the exterior design, we kept black and white as the core design colours while introducing curved lines and rounded shapes. The appropriate proportions and the perfect size, along with the piano black combined with matt white makes the eNext series the best choice to match any wall.



Product highlights

- **Hi Charger App** designed to control and configure the eNext: language configuration, user authentication, wallbox diagnosis and firmware upgrades, among others.
- **App charge authorization by Bluetooth** avoiding any interaction with the charger and protecting it from non-desired users.
- **Remote charging activation** is also offered by means of an ON/OFF external input signal (e.g. timer).
- **Timetable programming** to adjust the charging session to the hourly energy rates.
- Ready for internal integration of electrical protections.
- Includes **welded contactor detection** that meets with IEC 61851-1 for safety protection.
- The Wallbox eNext series features a reserved space in case you want to include **your own branding on it**.
- **DC leakage detection** can be ordered as an optional extra. Thus, in conjunction with the welded contactor and RCD A, the highest safety protection is guaranteed.
- Compatible with the **Home BeON sensor** (accessory), when combined with eNext, it is able to dynamically adjust the electric vehicle's consumption according to the available power of the installation.
- The **LED bar** at the front not only informs the user about the charger's status (e.g. operative, faulty...), but also the EV charging status: charging (dynamic blue light) vs charged (static blue light).
- The charger's **housing** is made of ABS plastic, which is both robust and UV resistant, providing protection against mechanical stress and severe environmental conditions.

Wallbox eNext Series

General Specifications



| | |
|-----------------------------|---|
| Wireless communication | Bluetooth v4.2 + BLE |
| Enclosure rating | IP54 / IK10* |
| Enclosure material | ABS / PC |
| Operating temperature | -5 °C to +45 °C |
| Ambient temperature storage | -40 °C to +60 °C |
| Operating humidity | 5% to 95% Non-condensing |
| Light beacon | RGB colour indicator |
| Power limit control | Mode 3 PWM control according to ISO/IEC 61851-1 |
| Dimensions (D x W x H) | 200 x 335 x 315 mm |
| Weight | 4 kg |
| External input | Remote charging activation |
| Safety protection | Welded contactor detection |

*IK08 in some components appended to the body, i.e., beacon light.

| Optional devices | |
|--------------------------|---|
| Low temperature kit | -30 °C to +45 °C |
| Protections | DC 6mA leakage detection RCBO (RCD Type A + MCB) |
| Power limit control* | Home BeON sensor |
| Type 2 socket protection | Locking System |
| Type 2 charging socket | Shutter |
| Tethered cable | Type 1 straight + cable roller |
| | Type 1 spring + connector holder |
| | Type 2 straight + cable roller |
| | Type 2 spring + connector holder |
| Pedestal | |
| Customisation | Logo customisation |

*Single-phase models only.

Model Specifications

| Model | S | T |
|-----------------------------------|--|--|
| AC power supply | 1P + N + PE | 3P + N + PE |
| AC input voltage | 230 VAC +/-10% | 400 VAC +/- 10% |
| Maximum input current | 32 A | 32 A |
| Maximum input power | 7.4 kW | 22 kW |
| Number of plugs | 1 | 1 |
| Maximum output power per outlet | 7.4 kW | 22 kW |
| Maximum output current per outlet | 32 A | 32 A |
| AC output voltage | 230 VAC (1P + N + PE) | 400 VAC (3P + N + PE) |
| Socket Type | 1 x Type 2 Socket  | 1 x Type 2 Socket  |

Pedestal



Material:
Aluminium 5754
Weight:
10 Kg
Dimensions:
1500x373x150 mm

Promotional Totem



Material:
Polystyrene
(1,5 mm de ancho)
Weight:
4 Kg
Dimensions:
1500x373x150 mm

Home BeON Compatible Intelligent sensor for single-phase systems

Home BeON is a sensor that can be easily added to a fuse box to dynamically adjust the current supplied to the EV to the power available at any given time, thus avoiding overloading.

