circontrol

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 autorization 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.

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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.

General Specifications

Wireless communication	Bluetooth v4.2 + BLE
Enclosure rating	IP54 / IK10*
Enclosure material	ABS / PC
Operating temperature	-5 °C to +45 °C
Storage temperature	-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	
Protections	DC 6 mA leakage detection
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 2 straight + cable roller
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
(Width:1,5 mm)
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.