CIRCONTROL
Mobility & eMobility

Wallbox eNext Elite

The most advanced option in connectivity, ready for future demands

Application

Designed to be installed inside or outside homes, neighbourhood blocks, workplaces or car parks, where managing charging and users may be required.

Concept Design

The increasing sophistication of car parks and EV users requires smart EV charging solutions with the potential for cloud integration for remote management and monitoring via the OCPP communication protocol.

Maintaining the elegant eNext design, this new wallbox goes one step further in terms of connectivity and usability thanks to the Wi-Fi connection. Furthermore, its digital system can easily be updated with the latest features and future requirements.

DESIGN AWARD 2021

Product highlights

- **Advanced connectivity.** The charger can be connected to a back-office system (through OCPP) either by Wi-Fi, Ethernet port or 4G/3G/GPRS modem (optional), resulting in benefits such as user management, billing, remote error diagnostics, etc.
- **3.5” colour screen.** Displays the charging instructions clearly through pictograms. It also provides information on the charging and connectivity status.
- **Protection.** The system guarantees the best level of protection thanks to integrated DC leakage detection and welded contact detection. The charger also permits integration with additional internal protection features.
- **Dynamic charging settings.** The charger is compatible with the Home BeON sensor (optional) which, combined with the eNext, dynamically adjusts the consumption of the electric vehicle, taking into account the power available in the system.
- **Scheduling.** To adapt charging to your needs and/or to the electricity tariff, the charging session can be scheduled through the website.
- **Remotely activate charging.** You can remotely activate charging through an external ON/OFF signal (a timer, for example).
- **Flexible identification.** The user can show their RFID card before or after connecting their vehicle. This feature can also be disabled in order to use the Plug and Charge mode.
- **Customisation.** It is easy to customise the system with branding thanks to the space at the front.

Wallbox eNext Elite *Series*

General Specifications

Network connection	Ethernet 10/100BaseTX (TCP-IP)
Wireless communication	Wi-Fi 2.4GHz (IEEE 802.11b/g/n)
Interface protocol	OCPP 1.6J / 2.0 HW Ready
Protections	6 mADC leakage detection
Enclosure rating	IP54 / IK10*
Enclosure material	ABS / PC
Operating temperature	-5 ºC to +45 ºC
Ambient temperature storage	-40 ºC to +60 ºC
Operating humidity	5% to 95% Non-condensing
Light beacon	LED colour indicator
Power limit control	Mode 3 PWM control according to IEC 61851-1
RFID reader	ISO/IEC 14443 A&B FeliCa ISO/IEC 15693 ISO/IEC 18092
Meter	MID Class 1 - EN50470-3
Display	3,5" colour screen
Dimensions (D x W x H)	200 x 335 x 315 mm
Weight	4 kg
Safety protection	Welded contactor detection

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

Optional devices	
Low temperature kit	-30 ºC to +45 ºC
Protections	RCBO (RCD Type A + MCB)
Power limit control*	Home BeON sensor
Type 2 socket protection	Shutter
Tethered cable	Type 1 straight + cable roller
	Type 1 spring + connector holder
	Type 2 straight + cable roller
	Type 2 spring + connector holder
Cellular communication	Modem 4G / 3G / GPRS / GSM
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 (locking system)	1 x Type 2 Socket (locking system)
		

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