

eNext Park & Elite

The ultimate design for a wallbox with communications

Application

Designed to be installed, both indoors and outdoors, of workplaces and car parks.

Conceptual Design

Nowadays, the concept of an intelligent car park combined with sophisticated users demands intelligent EV chargers with the possibility of having connection to a cloud-based software or backend system.

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

For Charge Point Operators / Owners

- 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.
- In terms of **communications**, either through the Ethernet port (by default) or 4G/3G/GPRS modem (optional), the charger can be connected to a back-office system (via OCPP), obtaining benefits like user management, billing, remote diagnosis, etc. The eNext Elite also **includes Wi-Fi connection**.
- The **Integrated Load Management** allows for a lower TCO (Total Cost of Ownership) by charging two EVs simultaneously even when the charger is not supplied with its maximum output power.
- Ready for **Dynamic Load Management** network integration. The eNext Park & Elite series can be integrated with SCADA software, making coincident EV charging easier, faster and cheaper.
- The eNext Elite guarantees **the best level of protection** thanks to integrated DC leakage detection and welded contact detection. It also allows integration with additional protection features and **MID certified metres**

For Charge Point Users

- **Clear charging instructions and operating status** are shown on the eNext Park thanks to a backlit display, increasing user satisfaction. Especially useful when the charger has been previously reserved by another user.
- The Wallbox eNext Park series offers **flexible authentication**, meaning that the user can authenticate either before or after connecting the cable to the EV. Additionally, the authentication process can also be disabled for the Connect n'Charge mode.
- **Remotely activate charging** of the eNext Elite through an external ON/OFF signal (a timer, for example).
- **Scheduling feature** for the eNext Elite, to adapt the EV charge to your needs and/or to the electricity tariff. The charging session can be scheduled via website.

eNext Park & 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 1.5 / OCPP 1.6J / OCPP2.0 Jready
Enclosure rating	IP54 / IK10**
Enclosure material	ABS / PC
Protections	6 mA DC leakage detection* Welded contactor detection*
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
Display	Park: Multi-language LCD Elite: 3,5" colour Multi-language LCD
Dimensions (D x W x H)	200 x 335 x 315 mm
Weight	4 kg
RFID Reader	ISO / IEC14443A&B MIFARE Classic/DESFire EV1 ISO 18092 / ECMA - 340 NFC 13.56MHz* FeliCa* ISO/IEC 15693* ISO/IEC 18092*





Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Meter	MID Class 1 - EN50470-3
Type 2 socket protection	Locking system

Optional devices	
Low temperature kit	-30 °C to +45 °C
Type 2 socket protection	Shutter
	Type 1 straight + cable roller
Tethered cable	Type 2 straight + cable roller
Wireless communication	4G/3G/GPRS/GSM
Pedestal	Painted aluminum support
Compatible with DLM	
Power limit control	Home BeON Sensor*
Protections	RCBO (RCD Type A + MCB)*
Customisation	Logo customisation

* Only eNext Elite.






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

Model Specifications

Models	S	T	S Two***
AC power supply	1P + N + PE	3P + N + PE	1P + N + PE
AC input voltage	230 V AC +/-10%	400 V AC +/-10%	230 V AC +/-10%
Maximum input current	32 A	32 A	64 A
Maximum input power	7,4 kW	22 kW	14,8 kW
Number of plugs	1	1	2
Simultaneous charging sessions	1	1	2
Outlet A	Maximum output current	32 A	32 A
	Maximum output power	7,4 kW	7,4 kW
	AC output voltage	230 V AC (1P + N + PE)	400 V AC (3P+N+PE)
Outlet B	Maximum output power	-	7,4 kW
	Maximum output current	-	32 A
	AC output voltage	-	230 V AC (1P + N + PE)
Connection	1 x Type 2 Socket  A	1 x Type 2 Socket  A	2 x Type 2 Socket   A B

*** Only eNext Park.

eNext Park & eNext Elite Series

Series	Wifi connection	Screen	Remote activation	Time programming	Protections
eNext Park		LCD 2 lines	OCPP		
eNext Elite		3,5" color screen	User programmable		6 mADC leakage detection & Welded contactor detection