

Wallbox eNext Park

The ultimate design for a Wallbox with communications

Application

Designed to be installed (both indoors and outdoors) at workplaces and car parks.



Concept 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 **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.
- 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 (by means of OCPP), obtaining benefits such as user management, billing, remote error diagnostics, etc.
- Ready for **Dynamic Load Management** network integration. The Wallbox eNext Park series can be integrated with Circontrol's SCADA software, making simultaneous EV charging easier, faster and cheaper.

For Charge Point Users

- **Clear charging instructions and operating status** are shown using 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 Plug 'n' Charge mode.



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Wallbox eNext Park Series






General Specifications

Network connection	10/100BaseTX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J
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
Display	Multi-language LCD
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions (D x W x H)	200x335x315mm
Weight	4kg
RFID Reader	ISO / IEC14443A MIFARE Classic/DESFire EV1 ISO 18092 / ECMA - 340 NFC 13.56MHz
Meter	MID Class 1 - EN50470-3
Type 2 socket protection	Locking system

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

Optional devices	
Low temperature kit	-30 °C to +45 °C
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
Wireless Communications	4G / 3G / GPRS / GSM
Pedestal	
Compatible with DML	
Customisation	Logo customisation

Model Specifications

Model	S	T	SME	TME	S Two	
AC power supply	1P + N + PE	3P + N + PE	1P + N + PE	3P + N + PE	1P + N + PE	
AC input voltage	230 VAC +/-10%	400 VAC +/-10%	230 VAC +/-10%	400 VAC +/-10%	230 VAC +/-10%	
Maximum input current	32 A	32 A	32 A	32 A	64 A	
Maximum input power	7.4 kW	22 kW	7.4 kW	22 kW	14.8 kW	
Number of plugs	1	1	2	2	2	
Simultaneous charging sessions	1	1	1	1	2	
Outlet A	Maximum output current	32 A	32 A	32 A	32 A	32 A
	Maximum output power	7.4 kW	22 kW	7.4 kW	22 kW	7.4 kW
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P+N+PE)	230 VAC (1P + N + PE)	400 VAC (3P+N+PE)	230 VAC (1P + N + PE)
Outlet B	Maximum output current	-	-	3.6 kW	3.6 kW	7.4 kW
	Maximum output power	-	-	16 A	16 A	32 A
	AC output voltage	-	-	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Socket Type	1 x Type 2 Socket	1 x Type 2 Socket	1 x Type 2 Socket CEE/7	1 x Type 2 Socket CEE/7	2 x Type 2 Socket	
						
	A	A	A B	A B	A B	