

SWARCO

WALL BOX eNEXT PARK

THE ULTIMATE DESIGN FOR A WALLBOX WITH COMMUNICATIONS

APPLICATION

Suitable for both indoor and outdoor installation in private homes, communal blocks, workplaces and car parks.



CONCEPT DESIGN

OCPP compliant, these units can be connected to SWARCO E.Connect (or any OCPP compliant back office) to provide back office services include user access control, billing and reconciliation and load management of charging demand in line with available electrical supply capacity.

In terms of the exterior design, the core black and white colours, curved lines and appropriate proportions, makes the eNext a great fit for all locations.

For installations where there is no wall in the vicinity of the parking bays the Wall Box eNext can be mounted onto an optional pedestal.

PRODUCT HIGHLIGHTS

For Charge Point Operator / Owner

- The **Embedded 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 SCADA software, making simultaneous EV charging easier, faster and cheaper.

For Charge Point User

- **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.

WALL BOX eNEXT PARK

GENERAL SPECIFICATIONS





Network connection	10/100TX (TCP-IP)
Interface protocol	OCPP 1.5 or OCPP 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	4 kg
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 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
Wireless communication	4G / 3G / GPRS / GSM
Pedestal	Single: for single-plug Wallbox Dual: for dual-plugs Wallbox
Compatible with DLM	
Customisation	Logo customisation

MODEL SPECIFICATIONS

MODELS		S	T	S Two
AC power supply		1P + N + PE	3P + N + PE	1P + N + PE
AC input voltage		230 VAC +/-10%	400 VAC +/-10%	230 VAC +/-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	32 A
	Maximum output power	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)
Outlet B	Maximum output current	-	-	32 A
	Maximum output power	-	-	7.4 kW
	AC output voltage	-	-	230 VAC (1P + N + PE)
Socket Type		1 x Type 2 Socket  A	1 x Type 2 Socket  A	2 x Type 2 Socket   A B