

Wallbox

Wallbox Smart Pro Polar 5m



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Productnumber: 59143501

Dimensions: 293 x 293 x 110 mm

Wallbox - for fast and smart charging of private e-vehicles, charging power up to 11 kW (3-phase)/3.7 kW (1-phase) and a maximum charging current of 16 A, variably adjustable charging power, integrated DC fault current detection for DC residual currents of ≥ 6 mA and temperature monitoring for a safe charging process, stylish design and compact housing dimensions for wall and pedestal mounting, protection class IP54, maximum connection cross-section of supply terminal 6 mm², shock resistance IK08, protection class II.

Simple installation, fast configuration and firmware updates with the free-of-charge Spelsberg Wallbox App (available for iOS, Version 14 and higher, and Android Version 6 and higher).

Integrated MID meter for consumption billing, dynamic load management by phase with unbalanced load detection for efficient use of available power, connection to home energy management systems and PV inverter for charging with solar energy, contactless authorisation of the charging process by RFID, Plug & Charge (ISO15118) or AutoCharge, LED and audible signals for clear feedback on status changes, analysis of extensive charging statistics.

Supports communication protocols and interfaces: USBWifi, EthernetModbus TCP, EEBus, SMA SEMPOCPP-J 1.6 for connection of external backends

Polar, connected 5 m charging cable with Type 2 charging plug



Stylish, minimalist design meets smart charging technology - for high power in its most attractive form. The integrated communication interfaces allow maximum connectivity and integration with networked systems with a simultaneous focus on fast and easy installation.

Say goodbye to laborious adjustments of rotary and dip switches with the Spelsberg wallbox: The intelligent app allows full configuration and control, together with analysis of charging statistics, through the convenience of a Smartphone.

Technical Data

electrical characteristics

max. charging power:	11 kW
max. charging current:	16 Ampere
Variably adjustable charging current:	yes
System side connection:	3-phase
Rated operating voltage AC:	400 V
Nominal frequency:	50 Hz
Charging mode (IEC 61851):	3 C
Long charging cable:	5 m
Connector plug:	Type 2
Temperature monitoring:	Charging current reduction
DC fault current detection ≥ 6 mA:	yes
Load switch:	Contacteur, 4-pole
Max. conductor cross section:	6 mm ²
Min. conductor cross section:	0,2 mm ²
Protection class:	II
Degree of pollution:	3
Type of protection:	IP54
vented:	no

Colours

Base unit colour:	white
Cover colour:	Polar

Additional features

Mobile app:	Yes
Access control/Authorisation:	RFID, EVCCID
Status display:	LED
Audible status feedback:	yes
Load management:	dynamic
Integrated MID meter:	yes
Excess PV charging:	yes
Plug & Charge (ISO 15118):	yes
Auto Charge:	yes
Firmware Updates:	Remote
Inlet for data cable:	Yes
Eligibility:	Eligible for the KfW funding programme

Dimensions

Width:	293 mm
Length:	293 mm
Height:	110 mm

Material characteristics

suitable for exterior use:	yes
Industry quality:	no
Halogen free:	yes
Glow-wire flammability according to EN 60695-2-11:	650 °C
Weight (excluding charging cable):	3 kg

mechanical properties

Type of fastening:	Wall/pedestal mounting
Impact strength:	IK08
Sealable:	no
Type of top part:	Cover

Ambient conditions

max. relative humidity 25°C:	95 %
max. relative humidity 40°C:	50 %
Min. ambient temperature:	-25 °C
Max. ambient temperature:	40 °C
24h ambient temperature:	35 °C
Set-up location:	Indoors / sheltered outdoors

Material

Base unit material:	Polycarbonate, glass-fibre reinforced
Cover material:	Polycarbonate

Accessories

[59181501 - WB WSD - Weather-proof cover for wallbox](#)

[59181301 - RFID-C Polar - RFID chip](#)

[59180601 - AP-SF2 - Pedestal adapter plate](#)

[59180501 - SF WSD - Weather-proof cover for pedestal](#)

[59180101 - SF1 - Wallbox pedestal](#)

[59180701 - SH Polar - Connector holder](#)

[59180201 - SF1 WSD - Wallbox pedestal](#)

[59180301 - SF2 - Wallbox pedestal](#)

[59181101 - DC Polar - Wallbox design cover](#)

[59180401 - SF2 WSD - Wallbox pedestal](#)

[59180901 - LL 5m T2 - Charging cable](#)

Cable gland

