

eCharger **Wallbox count**

The Easy Charging Solution for Household Communities and Companies

The web-enabled eCharger Wallbox *count* is your ideal solution if you are looking for a cost-effective, easy to handle charging solution with billing function. It is the perfect choice, for use within your household community or for your company's employees and customers. The extensive configuration and load release options

contribute to this, as does the monitoring available via the optional backend light. The Wallbox *count* is IEC 68561 compliant (charging mode 3). It is available in two power variants each either with 11 kW or 22 kW and comes in the version charging socket (case B) or type 2 charging cable with plug (case C).



App Integration

Convenient monitoring via the optional backend light



Safe

Tamper-proof due to cryptic signing counter



Simultaneous Charging

Extensive, intelligent load management



Multi-Purpose

Suitable for indoor and outdoor use (IP 66)

At a Glance

Charging power optionally up to 11 kW or up to 22 kW

Charging current infinitely variable from 6 – 16 / 32 A

Integrated DC residual current protection

Web-based management for configuration, diagnostics and operation

OCPP 1.6 JSON via Ethernet interface or mobile radio modem

Optical error message (LED)

Modular installation, hard- and software updatable

Quality components by Phoenix Contact

Standby consumption 5.2 W

Mounting either on wall or stele



eCharger Wallbox count 11/22 kW

Technical Data

General	
eCharger Wallbox count	Corresponds to interference immunity requirements for use in commercial areas as well as in residential areas according to DIN EN IEC 61851-21-2
Number of Charging Points, Charging mode	1, mode 3, case B + C
Option 1 (case B), Option 2 (case C)	CCS type 2 socket, type 2 charging cable up to 5 m calibration-compliant with CCS type 2 plug
Monitoring via dashboard	Possible with our Backend light
Load and Charging Management	Configurable, intelligent, continuous energy allocation to charging points
Web-based Management	Via browser for configuration, diagnostic analysis and operation (dashboard)

Mechanical Design	
Housing Material, Colour, Weight	Fibre optic reinforced polycarbonate, black (blue-transparent lid), 5.7 – 8.2 kg
Ext. Dimension (h x w x d), Assembly	446 x 318 x 180 mm (without cable), wall mounting or on pedestal (optional)

Electrical Design	
Input Voltage	400 V (3-phase), 230 V (1-phase), 50 to 60 Hz
Connection, Status Display	5-pole, push-in spring terminals for continuous optimum contact resistance, maximum cable cross section 10 mm ² , LED
Rated Current, Charging Capacity	32 A maximum (3-phase), 11 – 22 kW (3-phase), 3 – 7.3 kW (1-phase)
Leakage Current Monitor	RCM 6 mA for error detection of DC and AC residual current 30 mA AC. The RCM device detects and reports residual currents to the load controller, which then interrupts the charging process. Installation of an additional RCD (ground fault circuit breaker) type A 30 mA / 40 A into the energy distribution is mandatory.
Safety Feature, Load Protection	LS-switch B16/32A, 3-pole; alternatively RCBO B16/32A 30mA, 4-pole
Overvoltage protection	Can be retrofitted if required (not available as standard)
Overvoltage Protection, AC Meter	MID-conform digital signing current meter
Charging Controller	According to DIN EN IEC 61851-1
Standby Consumption, Time to Restart	5.2 W, 4 min
Ground Connection, Protection Class	TN and TT, 1 (protective conductor connection according to IEC 61140)
Overvoltage Category	3 (according to IEC 60664-1)

Interface, Protocols	
Communication / Management	Open Charge Point Protocol OCPP 1.6 JSON or higher via Ethernet or optional mobile modem, MQTT, HTTP(S), Modbus TCP, Modbus RTU, CAN
Interconnection of Multiple Wallboxes	Automatic, self-establishing, client-server operation (daisy-chain) of multiple wallboxes
LAN, Serial Ports	Ethernet, RS485 (supports Modbus RTU), USB-C (for programming)
Web Service, Charging Log	MQTT and REST-API, IEC 61851-1 (optional according to ISO/IEC 15118)

Environmental Conditions	
Ambient Temperature	– 25°C up to + 70°C; an integrated circuit breaker will switch off in case of overcurrent or short-circuit, temperature sensors protect against overheating
Storage Temperature	– 40 °C bis + 85 °C
Air Humidity, Maximum Altitude	< 95 %, < 2.000 m

Conformity	
Certification, Protection Class	CE, IP 66
Shock (Operation)	EN 60068-2-27 / IEC 60068-2-27, tested at 15g, 11 ms duration, half-sine wave shock momentum
Proximity, EMV	IEC 61851-1, DIN EN 61851-21-2, DIN EN 50011

Additional Options	
Stele made of coated stainless steel and galvanised sheet steel, charging cable in various lengths (possible without calibration conformity > 5 m.).	