

# eCharger *Wallboxes count & business*

## The Easy Charging Solution for Household Communities and Companies

The Web-enabled eCharger Wallboxes *count & business* are your ideal solution if you are looking for a cost-effective, easy to handle charging solution with billing function. They are the perfect choice, for example, for use within your household community (count) or for your company's employees and customers (business). Both types of wallboxes feature extensive possibilities

for configuration and charging initiation as well as an app-based billing procedure via eLoaded. The Wallboxes *count & business* are IEC 8561 compliant (charging mode 3). They are available in two power variants each either with 11 kW or 22 kW and come in the version charging socket (case B) or type 2 charging cable with plug (case C).



### App Integration

Convenient billing via eLoaded



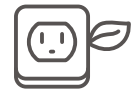
### Safe

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 current infinitely variable from 6 – 32 A

Web-based management for configuration, diagnostic analysis and operation

OCPP 1.6 JSON via Ethernet interface or cellular modem

Optical error messages (LED) and via e-mail

Modular installation, hard- and software updatable

Quality components by Phoenix Contact

Standby consumption 5.2 W

Mounting either on wall or stele



# eCharger Wallboxes count & business 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
eCharger Wallbox Business	Corresponds to interference immunity requirements for use exclusively in commercial areas
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 5 m with CCS type 2 plug
Payment System	Billable via eLoaded app (for companies only)
Load and Charging Management	Intelligent, continuous energy allocation to charging points, only needs to be configured
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 (ohne Kabel), Wandmontage oder auf Stele (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 <sup>2</sup> , 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 6mA for error detection of DC and AC residual current 3 0mA 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 recommended
Safety Feature, Load Protection	LS Circuit breaker B 32 A, 4-pole, 32 A
Overvoltage Protection, AC Meter	Specifically for electromobility: SPD class 1+2 (DIN EN 61643-11), MID-conform digital signing current meter
Charging Controller	According to DIN EN IEC 61851-1 or optional in compliance with ISO/IEC 15118 (available with cellular modem)
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	OCPP 1.6 JSON open charge point protocol via Ethernet or cellular modem, MQTT, HTTP(S), Modbus RTU, CAN
Interconnection of Multiple Wallboxes	Automatic setup of client server operation for 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 A circuit breaker will switch off in case of overcurrent, 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 varnished steel, charging cables of different lengths	