

# eCharger *Wallbox private*

## The Perfect Entry-Level Model for Charging at Home

The eCharger Wallbox *private* is a cost-effective wallbox and the perfect entry-level model for fast and easy-to-handle charging of your vehicle at home. Absolutely no need for pushing buttons or selecting settings: a one-step plug-in and your electric car is charging. The charging status is indicated simply by LED colours. All our charging stations are made of

quality components by Phoenix Contact which stand for absolute safe operation and a long life cycle. The Wallbox *private* is compliant according to IEC 8561 (charging mode 3). It is available in two power variants either in 11 kW or 22 kW and in the version charging socket (case B) or type 2 charging cable with plug (case C).



### Weatherproof

Robust plastic housing  
with protection  
against condensation



### Easy to Maintain

Modular design  
Hardware and Software  
updatable



### Universal Use

Suitable for indoor and  
outdoor operation



### Ecological

Durable quality  
with minimum  
standby power  
consumption

## At a Glance

Charging capacity optionally up to 11 kW or 22 kW

Charging socket or type 2 charging cable

Housing protection class IP 66

Standby capacity 5.2 W

Residual current detection (AC / DC) via RCM modul

High-quality components by Phoenix Contact

Mounting on wall or stele

Made in Germany



# eCharger *Wallbox private* 11/22 kW

## Technical Data

General	
Number of Charging Points	1
Charging Mode	Mode 3, case B + C
Option 1 (Case B)	CCS type 2 socket
Option 2 (Case C)	Type 2 charging cable 5 m with CCS type 2 plug
Mechanical Design	
Housing Material	Fibre optic reinforced polycarbonate
Colour	Black, blue-transparent lid
External Dimension (h x w x d)	446 x 318 x 180 mm (without cable)
Weight	6 – 8.5 kg
Assembly	Mounting on wall or onto stele (optional)
Electrical Design	
Load and Charging Management	Intelligent, continuous energy allocation to charging points, only needs to be configured
Input Voltage	400 V ( 3-phase), 230 V (1-phase), 50 to 60 Hz
Connection	5-pole, push-in spring terminals for continuous optimum contact resistance, maximum cable cross section of 10 mm <sup>2</sup>
3-Phase Rated Current	32 A max.
Charging Capacity	11 – 22 kW (3-phase), 3 – 7.3 kW (1-phase)
Charging Connection for Vehicle	Type 2
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 highly recommended.
Safety Feature, Load Protection	LS circuit breaker B 32 A, 4-pole, 32 A
Standby Capacity	5.2 W
Ground Connection	TN and TT
Overvoltage Category	3 (according to IEC 60664-1)
Protection Class	1 (earth conductor according to IEC 61140)
Time to Restart:	4 min
Interfaces, Protocols	
Programming / Configuration	CAN-Bus, RS485 (Modbus RTU is supported)
Status Display	LED
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
Electric Shock (Operation)	EN 60068-2-27 / IEC 60068-2-27, tested at 15g, 11 ms duration, half-sine wave shock momentum
Proximity	IEC 61851-1
EMV	DIN EN 61851-21-2, DIN EN 50011
Additional Options	
Stele made of varnished steel, charging cables of different lengths	