

# eMH3 WALLBOX

## SINGLE SLAVE+ WITH CHARGING SOCKET

### 22 kW

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Single has one Type 2 charging socket with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The wallbox is designed as a slave+ unit and is controlled via a suitable master wallbox. The master-slave system is suitable for group solutions that are billed via a back end system and communicate via OCPP.



## General information

Model	eMH3
Model number	3W2250
EAN number	4011721176345
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

## Input/mains supply

Power supply	Supply up to a maximum of 16 mm <sup>2</sup> or cable diameter ≤ 25 mm <sup>2</sup>
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	Direct connection to RCCB PE: feed-through terminal block

## Output/vehicle connection

Connection system	Single lockable Type 2 charging socket in acc. with IEC62196-2
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	22 kW

## Protection/integrated components

RCCB	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	MID approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

## Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	via Master

## Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

## Operating conditions

Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

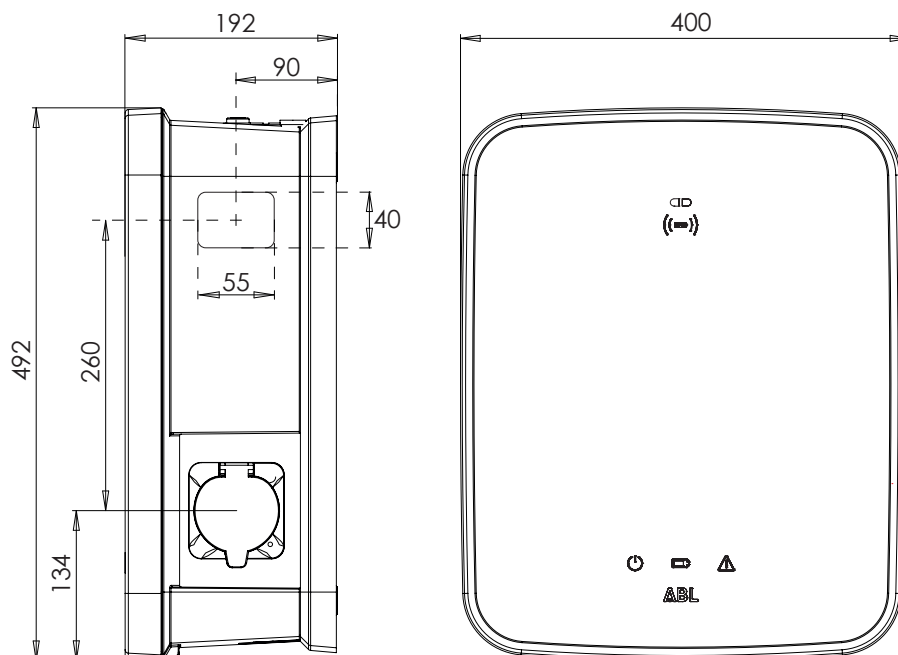
## Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	Black, similar to RAL9011
Material (door/cover)	Plastic
Color (door/cover)	silver, similar to RAL9006 / black, similar to RAL9017
Locking mechanism	integrated lock
Dimensions (HxWxD)	492 x 400 x 192 mm
Weight (net)	Approx. 10 kg

## Optional accessories

Pole	STEMH30
Foundation	EMH9999
Type 2 charging cable	LAK32A3, 32 A 240/415 V AC, length approx. 4 m
Type 2 charging cable	LAKC222, 20 A 240/415 V AC, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V AC, length approx. 4 m
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at <a href="http://www.abl.de">www.abl.de</a>	

## Dimensioned drawing



Subject to change: All features, specifications and other information are subject to change without notice.