

# eMH2 WALLBOX

## MASTER WITH CHARGING CABLE & reev BACKEND Basic

### 22 kW

The eMH2 Wallbox features a fixed charging cable with Type 2 charging connector. In combination with the reev Backend Basic, it is the intelligent charging solution for private and semi-public applications. In group installations, the Master wallbox takes care of all necessary communication functions with the reev backend. The included 24-month reev Backend Basic licence enables future-proof operation, regular software updates, as well as flexible user and RFID management. The backend can also be upgraded at any time. With a Type A residual current circuit breaker (RCCB) and fault current detection integrated as standard, the wallbox with backend is pre-installed and ready for connection by the installing technician and for immediate use. The Wallbox eMH2 with reev Backend Basic is 'Made in Germany' and offers the highest safety standards available.



## General information

Model	eMH2
Model number	2W2241B
EAN number	4011721180465
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	740 x 380 x 217 mm
Components included	Wallbox, printed instruction manual, installation kit, 2 keys, drilling template, 1 reev RFID card, reev user onboarding brief

## Input/mains supply

External power supply	max. 5 x 16 mm <sup>2</sup>
Rated voltage	230/400 V (3-phase)
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	max. 32 A (required onsite), C characteristic recommended
Terminal blocks	Direct connection to RCD PE to terminal block

## Output/vehicle connection

Connection system	Single charging cable with Type 2 connector in acc. with IEC62196-2, ca. 6.35 m
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	22 kW

## Protection/integrated components

RCCB	Type A RCD, 30 mA
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	MID approved (displayed in side window)
Load switching	Contactors, 4-pole
Weld detection	Contactors welding trips RCD
Temperature monitoring	internal, charging current reduction or shut down

## Charging monitor/status indicators

Display (operating state/error codes)	LED
Access control	RFID card, QR code or smartphone app
Communication	in acc. with IEC 61851-1 Mode 3
Master/Slave communication	RS485
Backend communication	OCPP 1.6 via LAN or LTE/WIFI (optional)

## Software operator portal

Access control	Driver and vehicle access rights allocated via RFID cards
Software updates	Automatic and free software updates

## Operating conditions

Storage temperature	-30 to 85°C
Operating temperature	-30 to 40°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP54
Impact strength	IK08
Maximum elevation	$\leq 2,000 \text{ m AMSL}$
Power dissipation	n/a

## Standards/guidelines

IEC 61851-1

IEC 61439-7

IEC 62196-1

IEC 62196-2

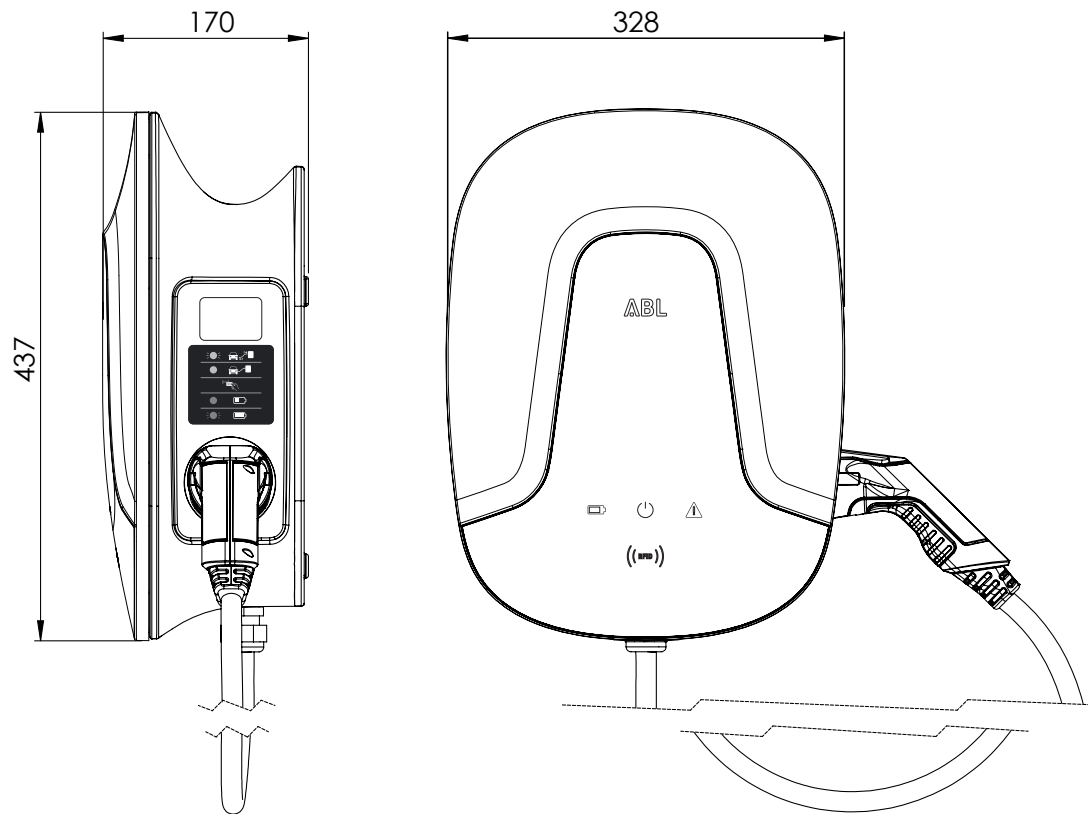
## Housing

Type	Wall-mounted housing (can be used for cable storage)
Fixing type	Wall bracket (mounting kit provided)
Material (housing/cover)	Plastic
Housing color	black, RAL9011
Cover color	black, translucent
Locking mechanism	Lockable cover with safety screw
Dimensions (HxWxD)	437 × 328 × 170 mm
Weight (net)	approx. 10 kg
Weight (gross)	approx. 12 kg

## Optional accessories

Master-Slave installation kit	LOMK218
RFID card (ABL design)	E017869, 5 pcs
see website at <a href="http://www.ablmobility.de">www.ablmobility.de</a>	

## Dimensioned drawing



Subject to change: All performance characteristics, technical and other specifications are subject to change without prior notice.

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