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# eMH2 WALLBOX
## EXTENDER WITH CHARGING
## CABLE & reev Dashboard Pro
## 22 kW

The Wallbox eMH2 features a fixed charging cable with Type 2 charging connector. In combination with the reev Dashboard Pro, it is the intelligent charging solution for private and semi-public applications. In multiple unit installations up to 15 Wallboxes eMH2 extender can be connected to one controller unit. Alternatively, the Wallbox eMH2 can be configured for stand-alone via software. With a Type A residual current circuit breaker (RCCB) and DC fault current detection integrated as standard, the wallbox with Dashboard is pre-installed for connection by the installing technician and ready for immediate use. The Wallbox eMH2 with reev Dashboard Pro is 'Made in Germany' and offers the highest safety standards available.

## General information

| | |
|---|---|
| Model | eMH2 |
| Product number | 2W2231P |
| EAN number | 4011721180427 |
| Commodity code | 85371091 |
| Packaging unit (PU) | 1 unit |
| Packaging (dimensions H×W×D) | 740 × 380 × 217 mm |
| Items supplied | Wallbox, printed operating manual, installation kit, drilling template, 1 key, 2 reev RFID cards, 1 reev QR code |

## Input/mains supply

| | |
|---|---|
| External power supply | max. 5 × 16 mm² |
| 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<br>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, $I_{\Delta n\ d.c.} \geq 6$ mA |
| Energy meter | MID conform (visible through lateral window) |
| Load switching | Contactor, 4-pole |
| Weld detection | Contactor welding trips RCD |
| Overcurrent protection | Integrated into firmware, disconnection at 110% after 100 seconds, at 120% after 10 seconds |
| Temperature monitoring | internal, charging current reduction or shut down |

# Charge monitoring/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 |
| Communication Controller/Extender | RS485 |

# Software/Backend

| | |
|---|---|
| Backend communication | Via controller wallbox |
| Access control | Unlimited driver and vehicle access rights allocated via RFID cards |
| Smartphone app for drivers | Entering payment and invoicing details, accessing transaction histories, available for Android and iOS |
| Management & monitoring | Simple and user-friendly administration of EV charging infrastructure via the reev online Dashboard |
| Analytics | Clear visual representations of charging procedure and consumer behaviour analyses |
| Public EV charging* | Easy access for visitors and incidental charging via QR code or EV charging card; ad hoc invoicing via credit card, Apple Pay, Google Pay or eRoaming |
| EV charging with consumption monitoring | Cost monitoring for company cars and fleet vehicles, exporting charging histories |
| EV charging for registered drivers* | Automated monthly invoicing via credit card for access via RFID card, individual tariff setting for different user groups |
| Software updates | Automatic and free software updates |

* Due to the applicable weights and measures legislation, this function is unavailable in Germany. Retrofitting is not possible.

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# Operating conditions

| | |
|---|---|
| Storage temperature | -30 to 85°C |
| Operating temperature | -25 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 | ≤ 2,000 m AMSL |
| Power dissipation | n/a |

# Standards/guidelines

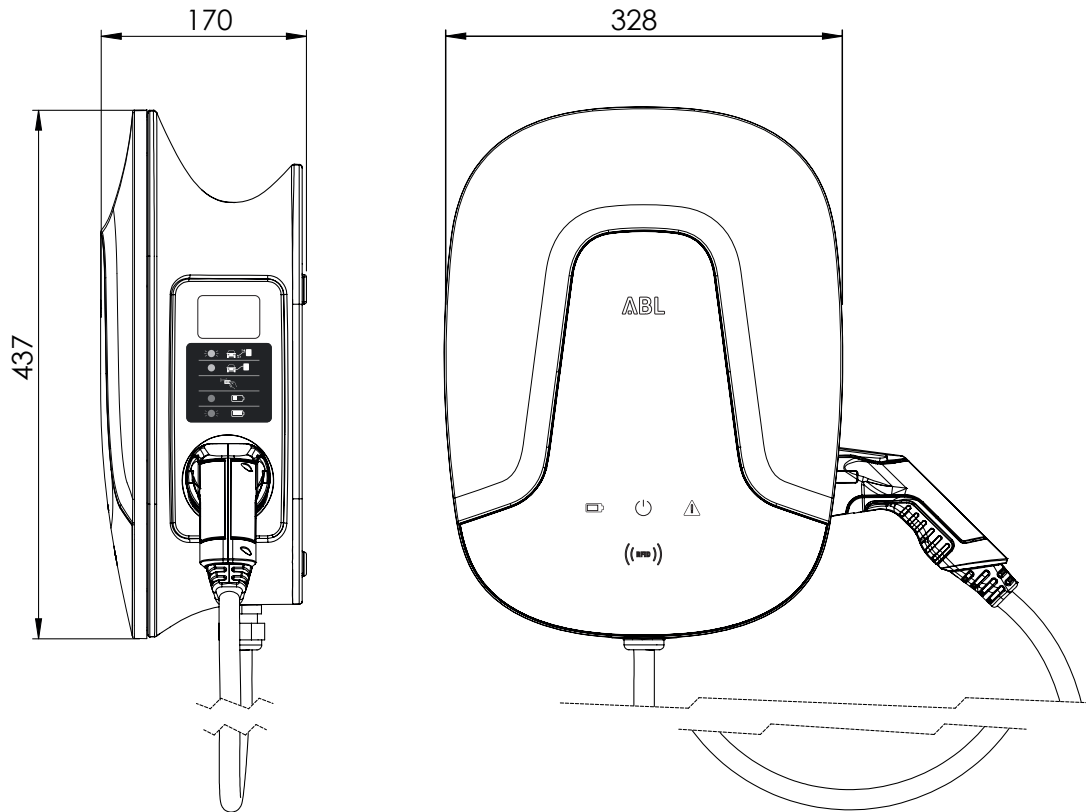| |
|---|
| IEC 61851-1 |
| IEC 61439-7 |
| IEC 62196-1 |
| IEC 62196-2 |

# Housing

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

# Optional accessories

| | |
|---|---|
| Pole | POLEMH2 |
| Foundation | EMH9999 |
| Weather protection roof | WPR12 |
| Cable storage holder with charging plug adapter | CABHOLD |
| Configuration kit | CONFCAB |
| RFID card | E017869, 5 pcs |
| Multi-purpose installation tester | TE001 |
| Vehicle simulation adapter | TE002 |

see website at **www.ablmobility.de**

# Dimensioned drawing

170

437

328