

# eMH2 WALLBOX

## MASTER WITH CHARGING SOCKET

### 22 kW

The eMH2 Wallbox is our smart, attractively designed charging solution for domestic and semi-public applications. The translucent cover shows color backlit pictograms to indicate the current charging status. The integrated RFID module ensures fast and secure access. This eMH2 Master provides one Type 2 charging socket with a charging capacity of up to 22 kW. Our Wallboxes come with an integrated Type A RCD and DC fault current detection preinstalled. An additional Type B RCCB is therefore not required. The Wallbox eMH2 Master is prepared for use as a master unit and is suitable for multiple charge point applications.



## General information

|                              |   |
|------------------------------|---|
| Model                        | eMH2  |
| Model number                 | 2W2240  |
| EAN number                   | 4011721178578   |
| Commodity code               | 85371091  |
| Packaging unit (PU)          | 1 unit  |
| Packaging (dimensions HxWxD) | 740 x 380 x 217 mm  |
| Components included          | Wallbox, printed quick reference guide, installation kit, 2 keys, drilling template |

## 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<br>PE to 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                       | RCD, Type A, 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) |

## Standards/guidelines

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

## 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) | IP44/IP54 (plugged/unplugged) |
| Impact strength                | IK08                          |
| Maximum elevation              | $\leq 2,000 \text{ m AMSL}$   |
| Power dissipation              | n/a                           |

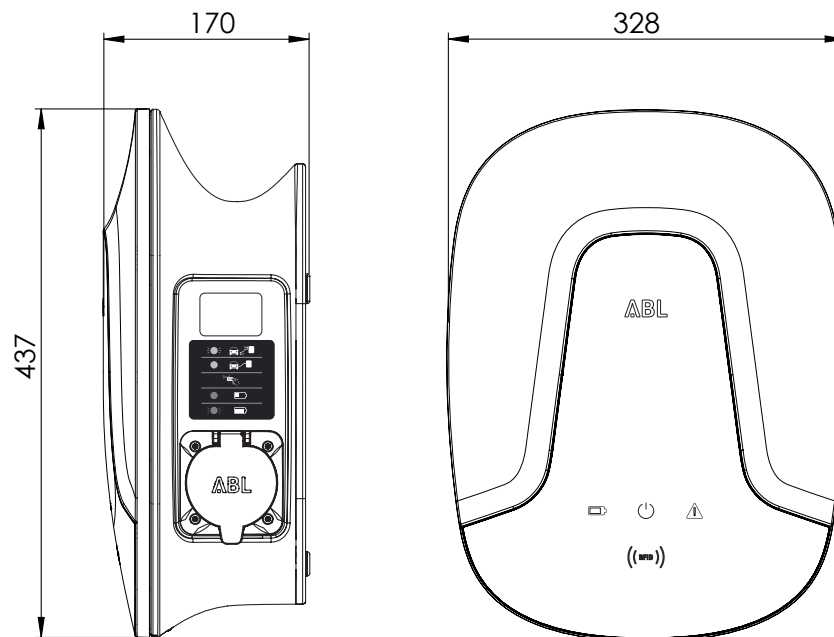
## Housing

|                          |  |
|--------------------------|--|
| 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. 8.0 kg                                       |
| Weight (gross)           | approx. 10 kg  |

## Optional accessories

|   |  |
|---|--|
| 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     |
| Master-Slave installation kit   | LOMK218  |
| RFID card   | 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.