eMH2 WALLBOX
CONTROLLER WITH CHARGING SOCKET
22 kW

The Wallbox eMH2 features an integrated Type 2 charging socket. In multiple unit installations the controller Wallbox eMH2 takes care of all communication functionalities, such as billing and user management, and is connected to a Dashboard system. With a Type A residual current circuit breaker (RCCB) and fault current detection integrated as standard, the wallbox is pre-installed and ready for connection by the installing technician and for immediate use. The eMH2 is 'Made in Germany' and offers the highest safety standards available.

General information

Model	eMH2
Product number	2W2240
EAN number	4011721178578
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions H×W×D)	740 × 380 × 217 mm
Items supplied	Wallbox, printed quick reference guide, installation kit, 1 keys, drilling template

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 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, $I_{\Delta n\ d.c.} \geq 6$ 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
Backend communication	OCPP 1.5 and 1.6 via LAN or LTE (optional)

Standards/guidelines

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

Operating conditions

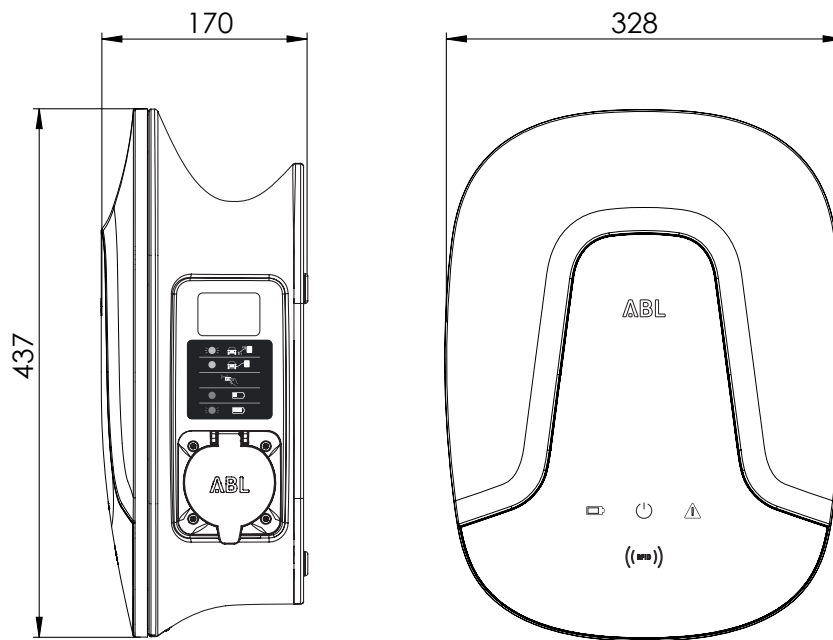|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP54
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	n/a

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. 8.0 kg
Weight (gross)	approx. 10 kg

Optional accessories

Pole	POLEMH2
Foundation	EMH9999
Weather protection roof	WPR12
Cable storage holder with charging plug adapter	CABHOLD
Type 2 charging cable	LAK32A3, 32 A 240/415 V, length approx. 4 m
Type 2 charging cable	LAK32A3, 32 A 240/415 V, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V, length approx. 4 m
Configuration kit	CONFCAB
RFID card	E017869, 5 pcs
LTE accessory package	E3BLTE1
WLAN accessory package	E3BLWLAN
Multi-purpose installation tester	TE001
Vehicle simulation adapter	TE002
see website at **www.ablmobility.de**	

Dimensioned drawing

170

328

437