WALLBOX eMH3

TWIN CONTROLLER WITH CHARGING SOCKETS & reev Dashboard Pro

22 kW

The Wallbox eMH3 has two integrated Type 2 charging sockets. Thanks to its ability to charge two vehicles simultaneously, and the intelligent Dashboard Pro by reev, it is the ideal solution for companies and apartment buildings. In group installations, the controller wallbox takes care of all necessary communication functions with the reev Dashboard. The included 24-month Dashboard Pro licence enables future-proof operation, regular software updates, simple monitoring, as well as automated monthly invoicing. Due to the applicable weights and measures legislation, only in-house invoicing for companies is available in Germany. Retrofitting is not possible. With a Type A residual current circuit breaker (RCCB) and DC fault current detection integrated as standard, the wallbox with backend is pre-installed for connection by the installing technician and ready for immediate use. The Wallbox eMH3 with Dashboard Pro is 'Made in Germany' and offers the highest safety standards available.

General information

Model	eMH3
Product number	3W2283P
EAN number	4011721183473
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	586 x 487 x 381 mm
Items supplied	Wallbox, printed operating manual, 1 triangular key, installation kit, 2 reev RFID cards, 2 reev QR codes, SIM card, reev onboarding letter

Input/mains supply

External power supply	Supply cables up to a maximum of 16 mm² or cable diameters ≤ 25 mm
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal blocks	Direct connection to RCCB PE: feed-through terminal block

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Output/vehicle connection

Connection system	Two lockable Type 2 charging sockets in acc. with IEC62196-2
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	2 × 11 kW or 1 × 22 kW

Protection/integrated components

RCCB	RCCB, type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n\ d.c.} \geq 6$ mA
Energy meter	MID compliant
Load switching	Installation contactor, 4-pole, 40 A
Weld detection	Contactor welding switches off the charging point
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

Software/Backend

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.

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	6.5 W

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Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied wall bracket and screws
Material (housing)	Plastic
Housing colour	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 × 394 × 192 mm (housing base without overhangs)
Weight (net)	approx. 13.5 kg

Optional accessories

Pole	POLEMH3
Foundation block for pole	EMH9999
Double pole	POLEMH6
Foundation block for double pole	EMH9996
Weather protection roof	WPR36
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
Multi-purpose installation tester	TE001
Vehicle simulation adapter	TE002
see website at **www.ablmobility.de**	

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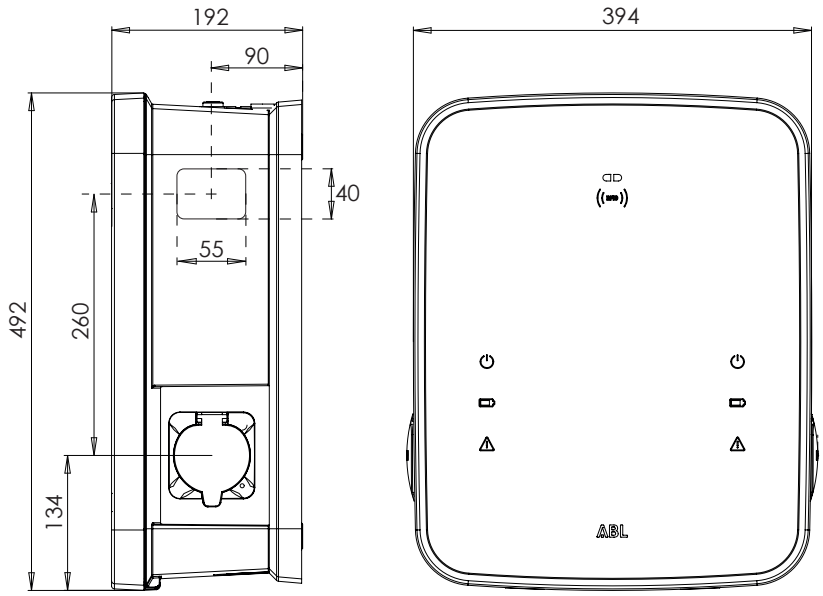
Dimensioned drawing



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