

eMH3 WALLBOX

TWIN SLAVE WITH CHARGING SOCKETS & reev BACKEND Basic

22 kW

The Wallbox eMH3 has two integrated Type 2 charging sockets. Thanks to its ability to charge two vehicles simultaneously and its intelligent reev backend, it is the ideal solution for semi-public and public applications. In multiple unit installations up to 7 eMH3 Slave Wallboxes can be connected to one master unit. Alternatively, the Wallbox eMH3 can be configured via software for stand-alone operation. 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 charging pole eMH3 with reev Backend Basic is 'Made in Germany' and offers the highest safety standards available.



General information

Model	eMH3
Model number	3W2220B
EAN number	4011721180670
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	Wallbox, printed quick reference guide, 1 triangular key, installation kit, 2 reev RFID cards

Input/mains supply

External power supply	Supply cables up to a maximum of 16 mm ² 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

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, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	MID compliant
Load switching	Installation contactor, 4-pole, 40 A
Weld detection	Contactors welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Operating status indicator	LED
Access control	RFID card, QR code or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Master/Slave communication	RS485

Software operator portal

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

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Operating conditions

Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°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	≤ 2,000 m AMSL
Power dissipation	2.8 W

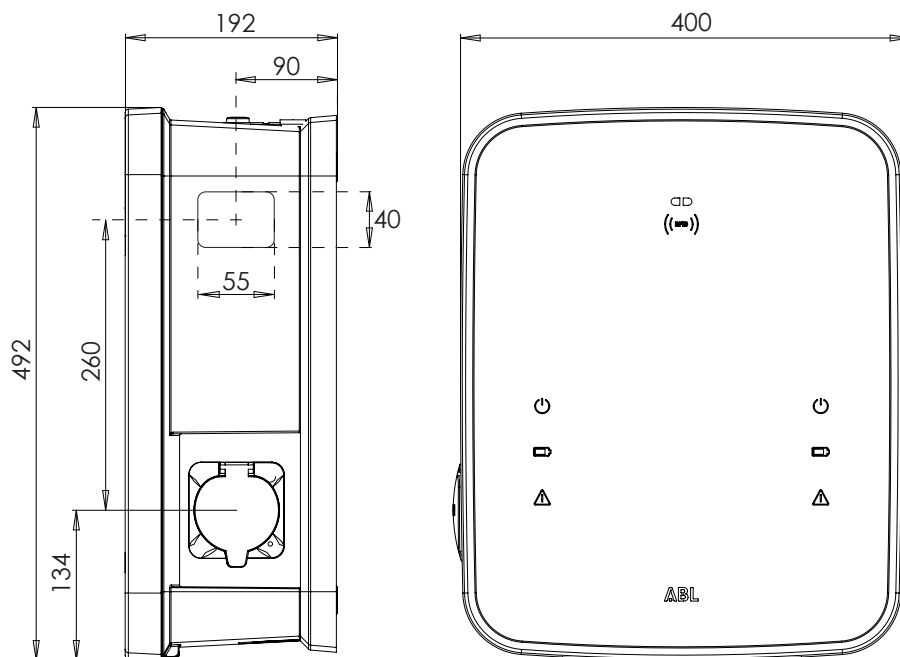
Housing

Type	Wall-mounted housing
Fixing type	Wall installation using mounting plate and installation kit
Material (housing/cover)	Plastic
Housing color	Black, similar to RAL9011
Cover color	silver, similar to RAL9006 / black, similar to RAL9017
Locking mechanism	integrated triangular key lock
Dimensions (HxWxD)	492 × 400 × 192 mm
Weight (net)	approx. 13.5 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
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 (ABL design)	E017869, 5 pcs
see website at www.ablmobility.de	

Dimensioned drawing



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