ABL

eMH3 WALLBOX
SINGLE SLAVE+ WITH CHARGING SOCKET
22 kW

Iris Hellas
Technology Innovations
www.irishellas.com

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Single has one Type 2 charging socket with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The wallbox is designed as a slave+ unit and is controlled via a suitable master wallbox. The master-slave system is suitable for group solutions that are billed via a back end system and communicate via OCPP.

General information

Model	eMH3
Model number	3W2250
EAN number	4011721176345
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	Direct connection to RCCB PE: feed-through 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	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n\ d.c.} \geq 6$ mA
Energy meter	MID approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	via Master

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

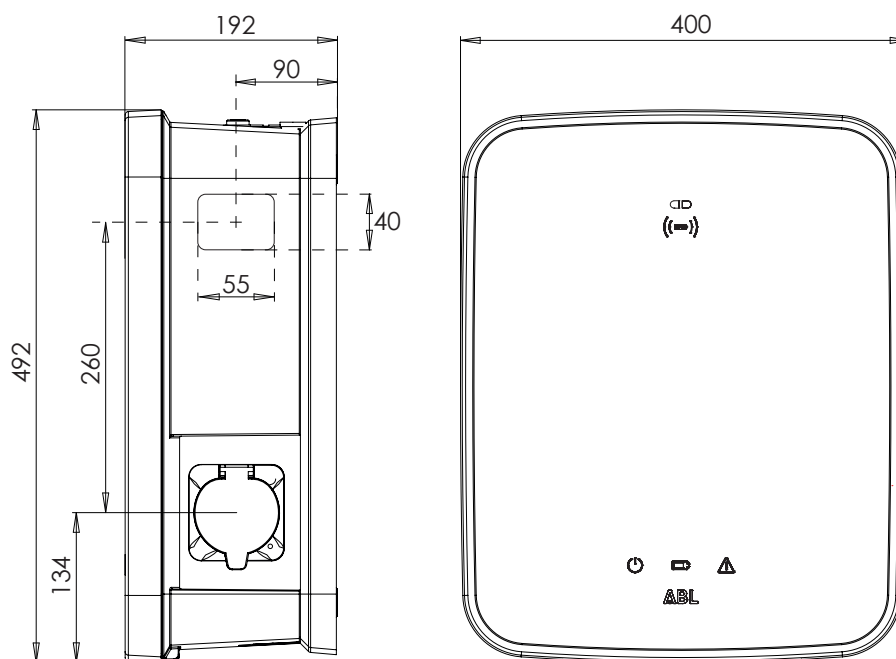|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 10 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation

see website at **www.abl.de**

Dimensioned drawing

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eMH3 WALLBOX
SINGLE SLAVE+ WITH CHARGING CABLE
22 kW

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Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Single has a fixed charging cable with a Type 2 coupler for charging with up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The wallbox is designed as a slave+ unit and is controlled via a suitable master wallbox. The master-slave system is suitable for group solutions that are billed via a back end system and communicate via OCPP.

General information

Model	eMH3
Model number	3W2251
EAN number	4011721176062
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	700 x 500 x 400 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

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

Output/vehicle connection

Connection system	Single charging cable with Type 2 connector in acc. with IEC62196-2, ca. 6 m
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	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 approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	via Master

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
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	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 15 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

Subject to change: All features, specifications and other information are subject to change without notice.

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eMH3 WALLBOX
SINGLE MASTER+ WITH CHARGING SOCKET
22 kW

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Single has one Type 2 charging socket with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The communication with a backend via OCPP for accounting the consumed charging current is already integrated. The wallbox is prepared for use as a master+. The master-slave system is suitable for group solutions that are billed via a back end system.

General information

Model	eMH3
Model number	3W2260
EAN number	4011721176352
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	Direct connection to RCCB PE: feed-through 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	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n\,d.c.} \geq 6$ mA
Energy meter	MID approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

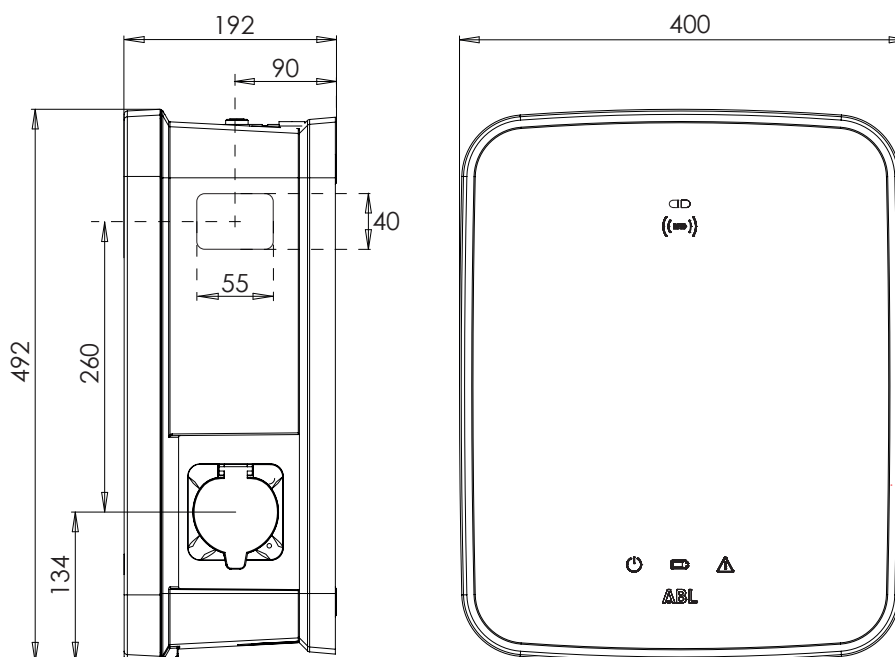|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 10 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

ABL

eMH3 WALLBOX
SINGLE MASTER+ WITH CHARGING CABLE
22 kW

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Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Single has a fixed charging cable with a Type 2 coupler for charging with up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The communication with a backend via OCPP for accounting the consumed charging current is already integrated. The wallbox is prepared for use as a master+. The master-slave system is suitable for group solutions that are billed via a back end system.

General information

Model	eMH3
Model number	3W2261
EAN number	4011721176055
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	700 x 500 x 400 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

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

Output/vehicle connection

Connection system	Single charging cable with Type 2 connector in acc. with IEC62196-2, ca. 6 m
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	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 approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

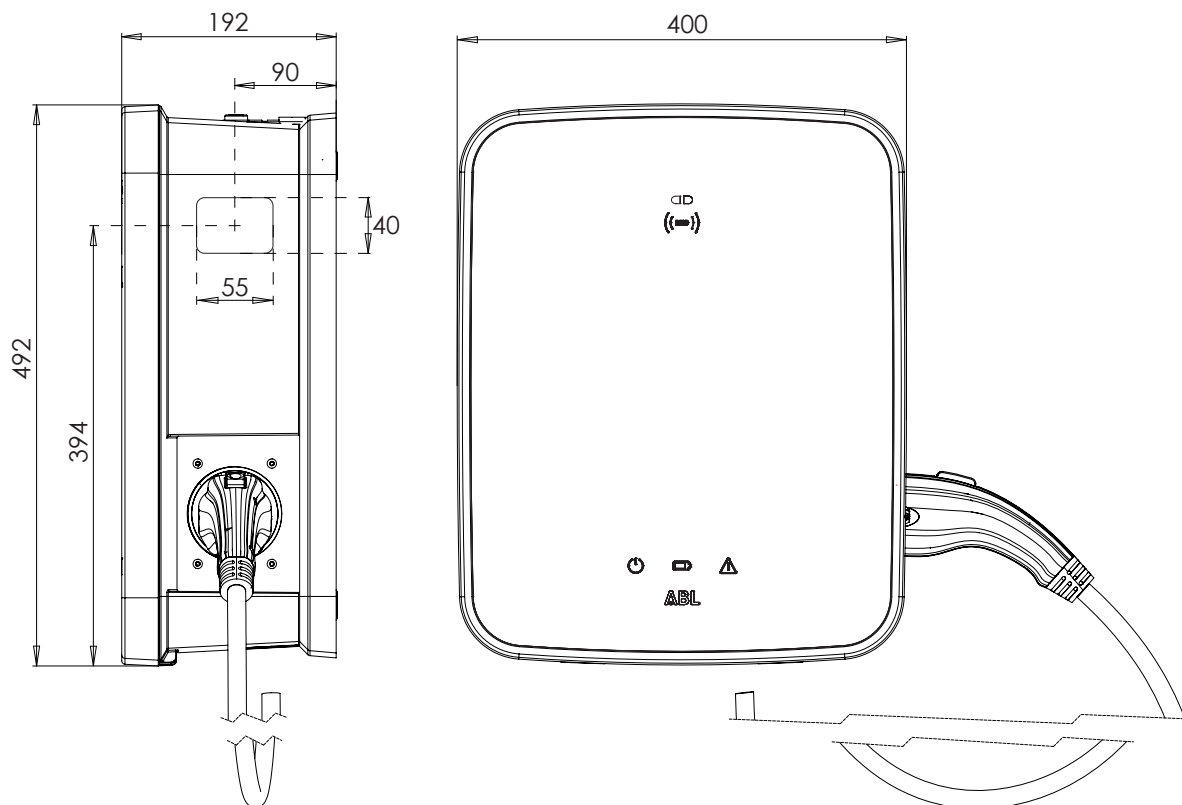|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP54
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 15 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

ABL

eMH3 WALLBOX
TWIN WITH CHARGING SOCKETS
22 kW

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Our new eMH3 wallbox impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW, with the internal load management module ensuring intelligent power distribution. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. With a choice of separately available charging cables (Type 2 to Type 2, Type 2 to Type 1), the system offers flexible charging of various types of electric vehicles.

General information

Model	eMH3
Model number	3W2214
EAN number	4011721171494
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench, 5 RFID user cards, 1 RFID TEACH-IN card

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	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 x 11 kW or 1 x 22 kW

Protection/integrated components

RCCB	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n\,d.c.} \geq 6$ mA
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding trips the second installation contactor
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Operating conditions

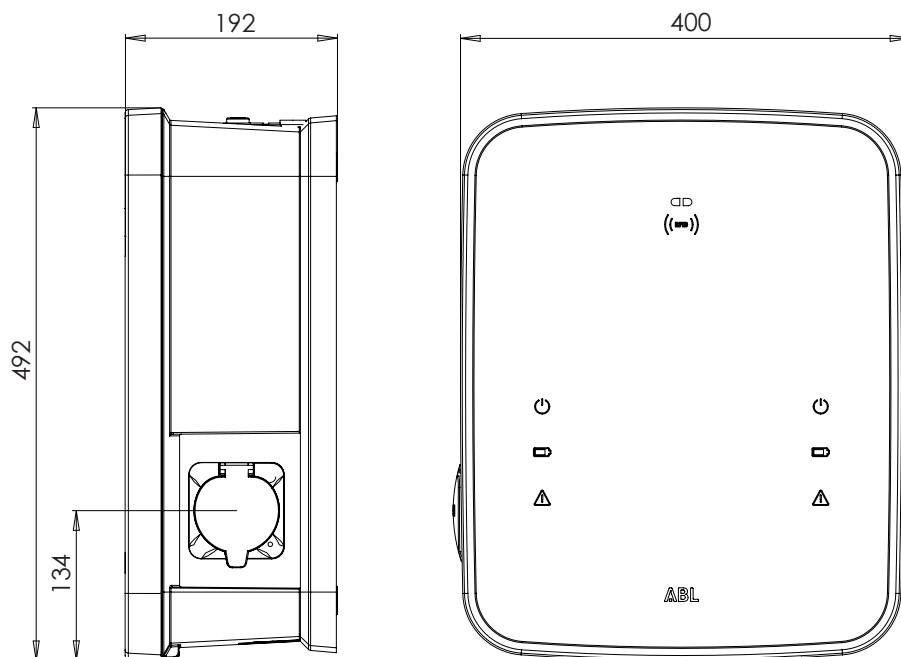|	
Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	1.3 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

eMH3 WALLBOX
TWIN MASTER WITH CHARGING SOCKETS
22 kW

Our new eMH3 wallbox impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The communication with a backend via OCPP for accounting the consumed charging current is already integrated. The wallbox is prepared for use as a master. The master-slave system is suitable for group solutions that are billed via a back end system.

General information

Model	eMH3
Model number	3W2215
EAN number	4011721171562
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	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 x 11 kW or 1 x 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 approved
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

Standards/guidelines

IEC 61851-1	
IEC 61439-7 ACSEV	

Operating conditions

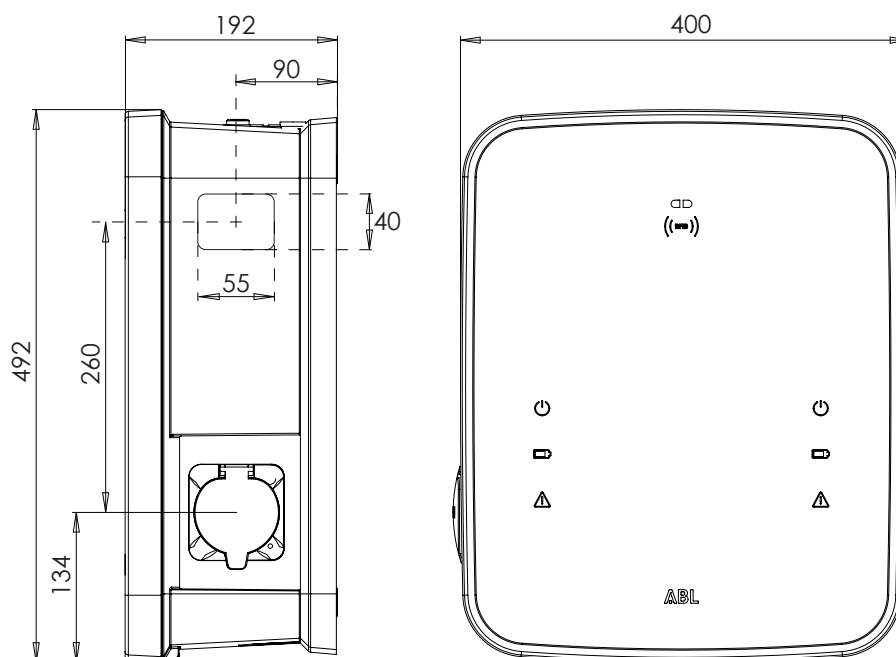|	
Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	6.5 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

eMH3 WALLBOX
TWIN SLAVE WITH CHARGING SOCKETS
22 kW

Our new eMH3 wallbox impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The wallbox is designed as a slave unit and is controlled via a suitable master wallbox. The master-slave system is suitable for group solutions that are billed via a back end system and communicate via OCPP.

General information

Model	eMH3
Model number	3W2220
EAN number	4011721173542
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	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 x 11 kW or 1 x 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 approved
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	via Master

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Operating conditions

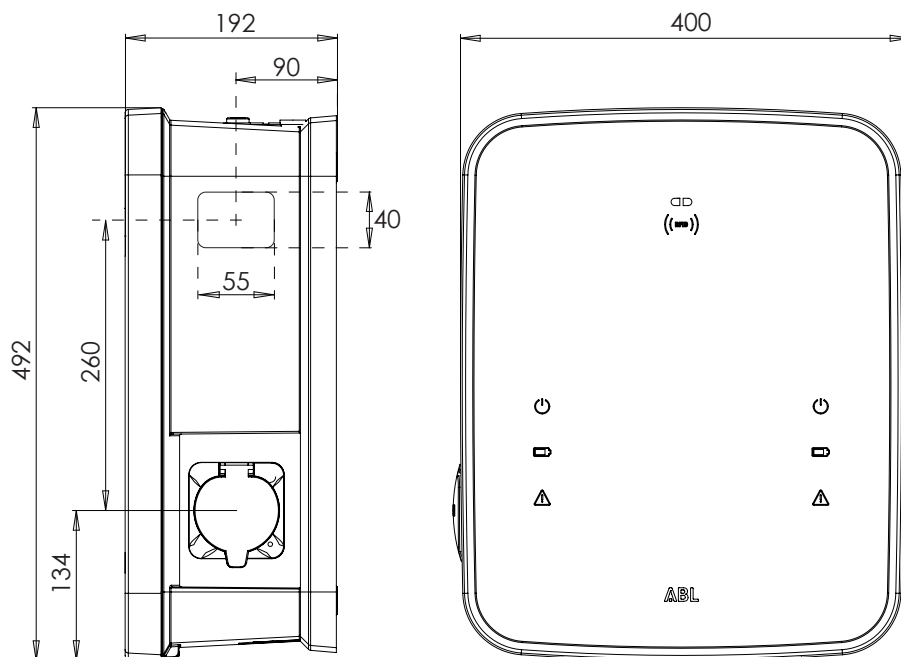|	
Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	2.8 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation

see website at **www.abl.de**

Dimensioned drawing

Subject to change: All features, specifications and other information are subject to change without notice.

eMH3 WALLBOX
TWIN MASTER WITH CHARGING CABLES
22 kW

Our new eMH3 wallbox impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two fixed charging cables with a Type 2 coupler for charging with up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The communication with a backend via OCPP for accounting the consumed charging current is already integrated. The wallbox is prepared for use as a master. The master-slave system is suitable for group solutions that are billed via a back end system.

General information

Model	eMH3
Model number	3W2225
EAN number	4011721175577
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	700 x 500 x 400 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

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

Output/vehicle connection

Connection system	Two charging cables with Type 2 connector in acc. with IEC62196-2, approx. 6 m
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	2 x 11 kW or 1 x 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 approved
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Operating conditions

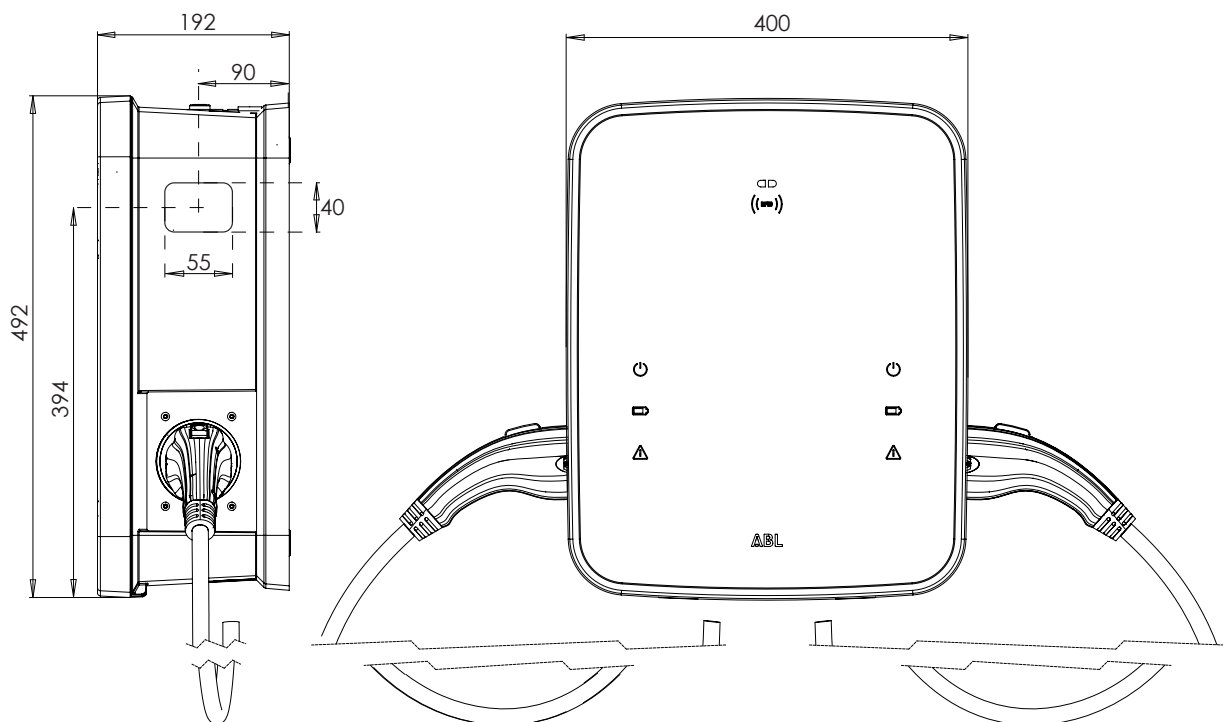|	
Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP54
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	6.5 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 21 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
RFID card	E017869, ID TAG RFID user card for stand-alone operation

see website at **www.abl.de**

Dimensioned drawing

ABL

eMH3 WALLBOX
TWIN WITH CHARGING SOCKETS
44 kW

Iris Hellas
Technology Innovations
www.irishellas.com

Our new eMH3 wallbox impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW each, with the internal load management module ensuring intelligent power distribution. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. With a choice of separately available charging cables (Type 2 to Type 2, Type 2 to Type 1), the system offers flexible charging of various types of electric vehicles.

General information

Model	eMH3
Model number	3W4401
EAN number	4011721171104
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench, 5 RFID user cards, 1 RFID TEACH-IN card

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	2 x 32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	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	2 x 32 A
Maximum output	2 x 22 kW

Protection/integrated components

RCCB	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n\ d.c.} \geq 6$ mA
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding trips the second installation contactor
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Operating conditions

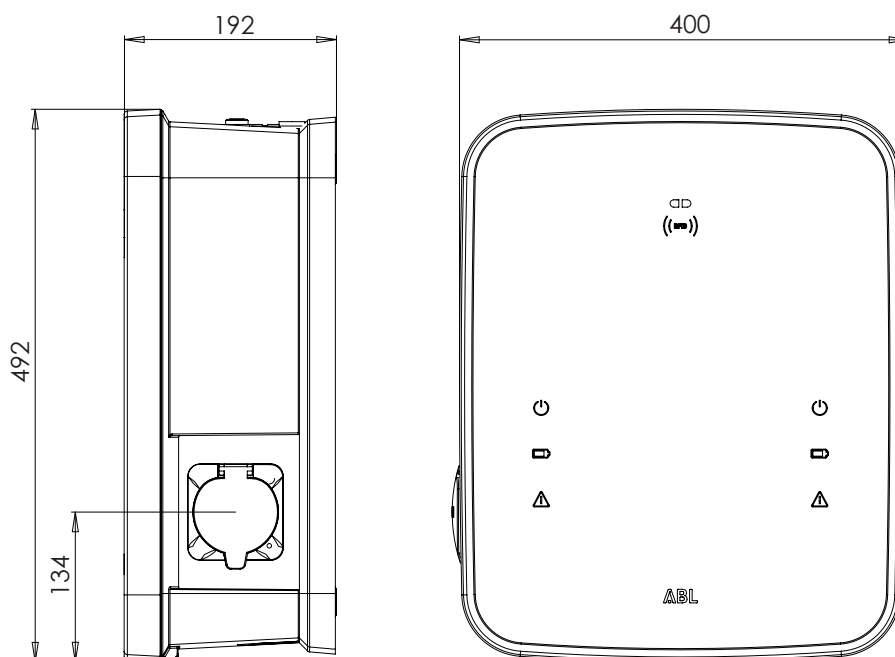|	
Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

Subject to change: All features, specifications and other information are subject to change without notice.

eMH3 WALLBOX
TWIN MASTER+ WITH CHARGING SOCKETS
22 kW

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The communication with a backend via OCPP for accounting the consumed charging current is already integrated. The wallbox is prepared for use as a master+. The master-slave system is suitable for group solutions that are billed via a back end system.

General information

Model	eMH3
Model number	3W2263
EAN number	4011721175997
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	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 x 11 kW or 1 x 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 approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

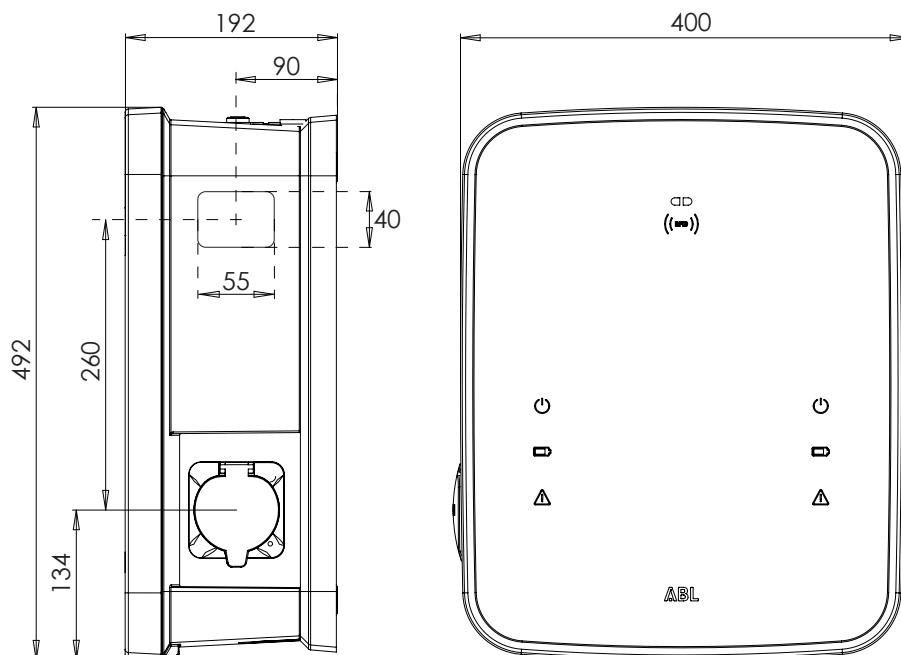|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

eMH3 WALLBOX
TWIN MASTER+ WITH CHARGING CABLES
22 kW

Iris Hellas
Technology Innovations
www.irishellas.com

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two fixed charging cables with a Type 2 coupler for charging with up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The communication with a backend via OCPP for accounting the consumed charging current is already integrated. The wallbox is prepared for use as a master+. The master-slave system is suitable for group solutions that are billed via a back end system.

General information

Model	eMH3
Model number	3W2264
EAN number	4011721176314
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	700 x 500 x 400 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

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

Output/vehicle connection

Connection system	Two charging cables with Type 2 connector in acc. with IEC62196-2, approx. 6 m
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	2 x 11 kW or 1 x 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 approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
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	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 21 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
RFID card	E017869, ID TAG RFID user card for stand-alone operation

see website at **www.abl.de**

Dimensioned drawing

eMH3 WALLBOX
TWIN SLAVE+ WITH CHARGING SOCKETS
22 kW

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The wallbox is designed as a slave+ unit and is controlled via a suitable master wallbox. The master-slave system is suitable for group solutions that are billed via a back end system and communicate via OCPP.

General information

Model	eMH3
Model number	3W2253
EAN number	4011721175980
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

Power supply	Supply up to a maximum of 16 mm² or cable diameter ≤ 25 mm²
Rated voltage	230/400 V
Rated current	32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	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 x 11 kW or 1 x 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 approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	via Master

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

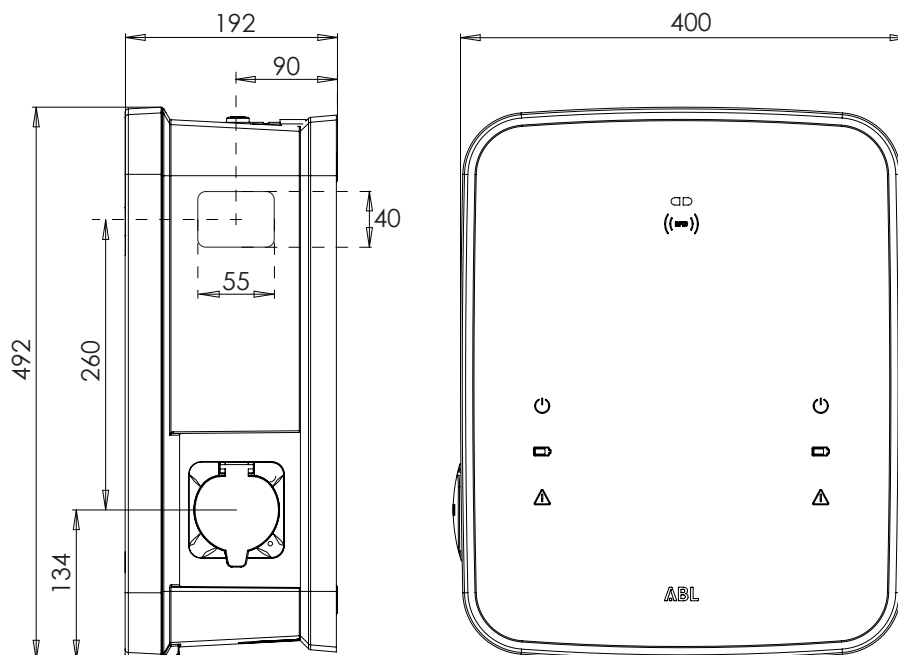|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing

Subject to change: All features, specifications and other information are subject to change without notice.

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eMH3 WALLBOX
TWIN SLAVE+ WITH CHARGING CABLES
22 kW

Our eMH3 wallbox corresponds to the German "Eichrecht" and impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two fixed charging cables with a Type 2 coupler for charging with up to 22 kW. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. The wallbox is designed as a slave+ unit and is controlled via a suitable master wallbox. The master-slave system is suitable for group solutions that are billed via a back end system and communicate via OCPP.

General information

Model	eMH3
Model number	3W2254
EAN number	4011721176307
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	700 x 500 x 400 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench

Input/mains supply

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

Output/vehicle connection

Connection system	Two charging cables with Type 2 connector in acc. with IEC62196-2, approx. 6 m
Output voltage	230/400 V
Max. charging current	32 A
Maximum output	2 x 11 kW or 1 x 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 approved
Calibration law module	Logging Gateway (LGW)
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding switches off the charging point
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE, QR code, SMS or smartphone app
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485
Backend communication	via Master

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV
in acc. with MessEV Modul B

Operating conditions

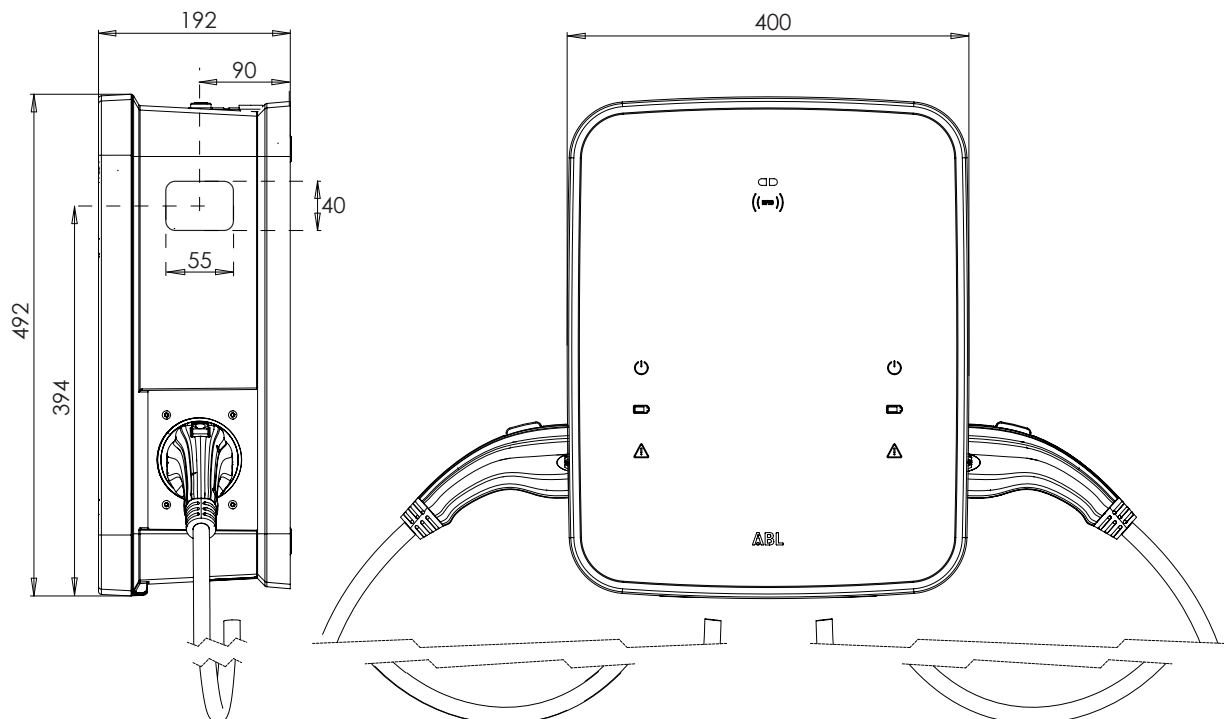|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP54
Impact strength	IK08
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	7 W

Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	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 x 400 x 192 mm
Weight (net)	Approx. 21 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at **www.abl.de**	

Dimensioned drawing