

eMH1 WALLBOX

WITH CHARGING CABLE

22 kW



Iris Hellas
Technology Innovations
www.irishellas.com

The eMH1 1W2201 is the smallest wallbox worldwide with an attached charging cable and Type 2 connector for installation in the private and semi-public domain. Thanks to its extremely compact dimensions, the eMH1 is the perfect indoor and outdoor solution for efficient charging of EV with a Type 2 charging socket. The integrated residual current circuit breaker guarantees an extra high operational safety. Our DC fault current detection is installed as standard.



General information

Model	eMH1
Part number	1W2201
EAN number	4011721175393
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	355 x 330 x 270 mm
Includes	Wallbox, printed installation guide, drilling template, mounting kit, 2 keys

Input/Supply

Power supply	max. 5 x 6 mm ²
Rated voltage	230 / 400 V
Rated current	32 A
Rated frequency	50 Hz
Back-up fuse	32 A
Terminal block	Direct connection to RCCB PE: 6 mm ² feed-through terminal block

Output/vehicle connection

Connection system	Single charging cable with Type 2 connector in acc. with IEC62196-2, approx. 6.35 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, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	-
Installation contactor	4-pole (charging procedure activation)
Welding detection	Triggered by welding of the contactor
Temperature monitoring	Gradual lowering of charging current in case of overheating

Charge control/status indicators

Charge controller	EVCC2
Communication	in acc. with IEC 61851-1, Mode 3
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
RFID card reader	-

Standards/Directives

IEC 61851-21-2
IEC 61851-1 Ed. 3
IEC 60364-7-722 Ed. 1

Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP54
Power dissipation	n/a

Enclosure

Type	Wall-mounted housing
Fixing type	Plug and screw fixing (screws included)
Material (housing)	Plastic
Housing color	RAL9005
Material (cover)	Plastic
Cover color	RAL9006
Locking mechanism	Lockable cover with integrated lock
Dimensions (HxWxD)	272 x 221 x 116 mm
Weight	ca. 4.5 kg

Optional accessories

Pole	STEMH10
Foundation	EMH9999
Mounting plate/wall bracket with key switch	1W0001
Load management	SBCH1

Dimensioned drawing

