

# eMH2 WALLBOX

## CONTROLLER WITH CHARGING CABLE

### 22 kW

The eMH2 22 kW is customised for domestic applications, and impresses with an elegant and functional design that includes charging cable management. Secure access control is provided via RFID, so that only authorised persons can charge their vehicles. Connection to the electric vehicle is established via a fixed charging cable with Type 2 charging connector. 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 (Toyota / Lexus)	2W22Y4 (PZ42DT0C27) / 2W22X4 (PZ42DL0C27)
EAN number (Toyota / Lexus)	4011721190358 / 4011721190341
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	740 x 380 x 217 mm
Items supplied	Wallbox eMH2, printed operating manual, installation kit, 1 x key, drilling template, 1 x WLAN dongle

## Input / mains supply

External power supply	Max. 5 x 16 mm <sup>2</sup>
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 charging cable with Type 2 connector in acc. with IEC62196-2, ca. 6.35 m
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, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Load switching	Contactors, 4-pole
Weld detection	Contactors 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
Backend communication	OCPP 1.5 and 1.6 via LAN, WLAN 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	$\leq 2,000 \text{ m AMSL}$
Power dissipation	n/a

## Housing

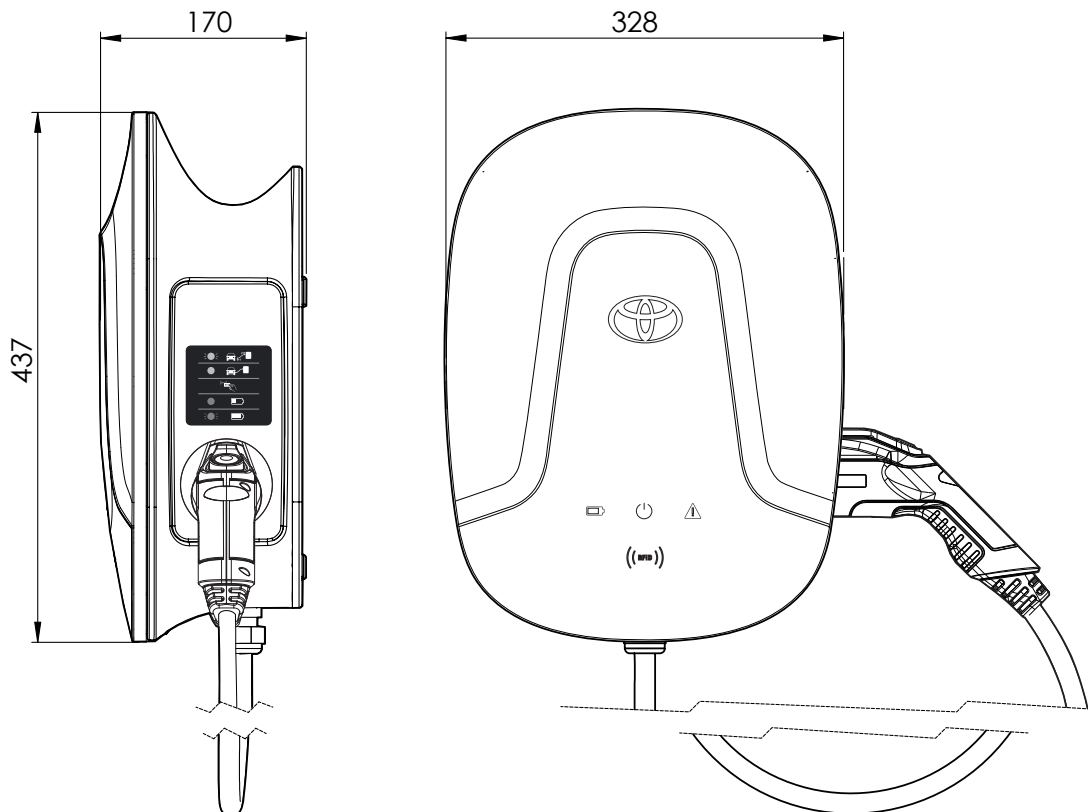
Type	Wall-mounted housing (can be used for cable storage)
Fixing type	Wall bracket (mounting kit provided)
Material (housing / cover)	Plastic
Housing colour	Black, RAL9011
Cover colour	Black, translucent
Locking mechanism	Lockable cover with safety screw
Dimensions (HxWxD)	437 × 328 × 170 mm
Weight (net)	Approx. 10 kg
Weight (gross)	Approx. 12 kg

## Optional accessories

Universal pole	STEMHX0 / PZ42D00B01
Pole adapter plate	ADPEMH2 / PZ42D00C07
LTE accessory package	E3BLTE1 / PZ42D00C05
Configuration kit	CONF CAB / PZ42D00B16

see website at [www.toyota-tech.eu](http://www.toyota-tech.eu) / [www.lexus-tech.eu](http://www.lexus-tech.eu)

## Dimensioned drawing



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