

EVBox Elvi

home charging solution



From 7.4 to 22 kW

Tracks and invoices charging sessions

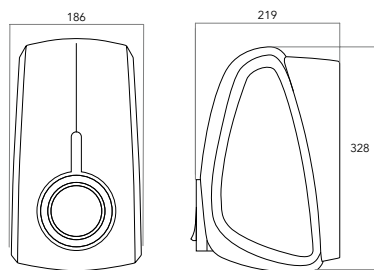
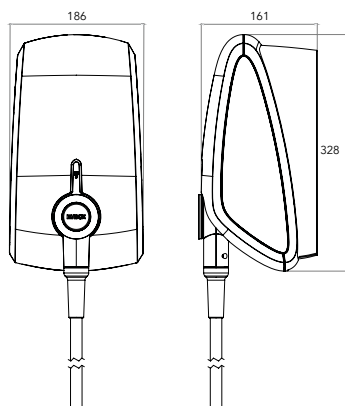
Easy to use, install, and upgrade with modular, click-on features

Compatible with every electric car—now and in the future

Best suited for residential use at houses and multi-unit dwellings

Scalable to include up to 11 charging points per Hub-Satellite network

Dimensions in mm



evbox.com



Electrical properties

Charging capacity

Charge mode

Number of connectors

Connector options

Fixed cable type

Fixed cable length

Connection capacity

Upgradable 7.4 –22 kW

Mode 3 (IEC 61851-1)

1

Fixed cable or Type 2 Socket/Socket+Shutter

Type 1 (SAE J1772) or Type 2 (IEC 62196-2) plug

6 m (18 ft)

Selectable 1-phase or 3-phase, 230–400V,

16 A and 32 A, 50-60 Hz

12 VDC

Secondary power circuit

Relays

Metering

2 x 35 A, 2 P, 12 V coil current

Optional 3-phase S-Bus MID-certified kWh meter in wall dock

Safety and certification

Ground fault detection

Housing fire ratings

Storage temperature

Operating temperature

Operating humidity

Enclosure ratings

CE certified

Compliance

6 mA DC CCID

UL94-5VA, US-FMVSS / ISO 3795 passed, DIN 53438 F1/K1

-35°C to 60°C (-31°F to +140°F)

-25°C to +45°C (-13°F to +113°F)

Max. 95% non-condensing

IP55, IK10 (IEC 60529)

Yes

IEC 61851-1, IEC 61851-21-2, CE EMC EU/2014/30,

CE Low voltage EU/2014/35, RED EU/2014/53

Connectivity & Installation

Authorization

Autostart / Keyfob / RFID card - controller with RFID reader type

Mifare 13.56 MHz

Status indication / HMI

LED ring

WLAN communication - Hub

Wi-Fi 2.4/5 GHz (IEEE 802.11 a/b/g, IEEE 802.11 d/e/i/h) / Bluetooth 4.0

Cellular communication - Hub

4G LTE (EU) option

External serial communication

RS485 interface for dynamic load balancing and solar integration (also scheduled charging if supported via the backend)

Charging protocol - Hub

OCPP 1.5 S, 1.6 J

Positioning

GPS (Options) / Wi-Fi

Maximum installation height

+2000 m (6560 ft) above sea level

Max cluster size

Each Hub can be paired to 10 Satellite stations max

Physical properties

Housing

Polycarbonate

Dimensions (WxHxD)

Fixed cable - 186 x 328 x 161 mm (7 x 13 x 6 in)

With socket - 186 x 328 x 219 mm (7 x 13 x 8 in)

Weight

3 kg (6.6 lbs) - 3-phase, 32 A station with socket

6 kg (13.2 lbs) - 1-phase, 16 A station with 6 m (18 ft) fixed cable

11 kg (24.2 lbs) - 3-phase, 32 A station with 6 m (18 ft) fixed cable

Mounting

Wall or pole

Standard colors

Misty Black, Polar White

Note:

EVBox Elvi charging stations can charge at 32 A; however, actual charging capacity is dependent on local environmental conditions and internal temperature build up.

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