

EVBox Elvi

Home charging solution

EVBOX



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From 3.7 to 22 kW

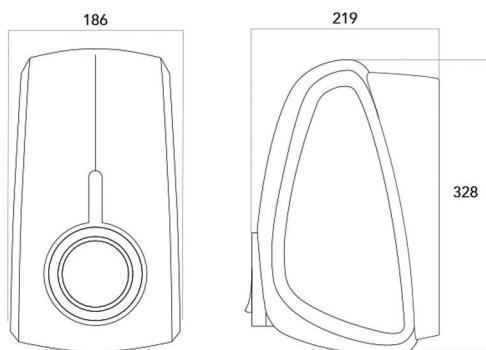
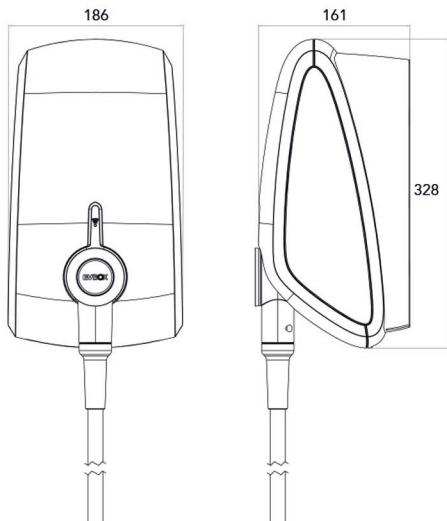
Tracks and invoices charging sessions

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

Dimensions in mm



Electrical properties

Charging capacity

Upgradable 3.7–22 kW

Charge mode

Mode 3 (IEC 61851-1)

Number of connectors

1

Connector options

Fixed cable or Type 2 socket

Fixed cable type

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

Fixed cable length

4 m (13 ft) or 8 m (26 ft) for Elvi models without dynamic load balancing

Connection capacity

6 m (20 ft) for Elvi models compatible with dynamic load balancing

Secondary power circuit

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

Relays

16 A and 32 A, 50-60 Hz

Metering

12 VDC

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

Safety and certification

Ground fault detection

30 mA AC / 6 mA DC CCID

Housing fire ratings

UL94 V-0, US-FMVSS / ISO 3795 passed, DIN 53438 F1/K1

Storage temperature

-25°C to +60°C (-13°F to +140°F)

Operating temperature

-25°C to +45°C (-13°F to +113°F)

Operating humidity

Max. 95% non-condensing

Enclosure ratings

IP55, IK10 (IEC 60529)

CE certified

Yes

Compliance

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

LED ring

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

WLAN communication

3G / UMTS (EU/US/JPN) option

Cellular communication

OCPP 1.5 S, 1.6 J

Charging protocol

GPS / Wi-Fi

Positioning

+2000 m (6560 ft) above sea level

Maximum installation height

Dynamic load balancing, solar integration, and scheduled charging via EVBox Smart Charging

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 4 m (13 ft) fixed cable

Smart Charging

11 kg (24.2 lbs) - 3-phase, 32 A station with 8 m (26 ft) fixed cable

Mounting

Wall or pole

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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