

Elvi

home charging solution

EVBOX

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 applicable for residential use
at houses and apartments



evbox.com

Electrical properties

Charging capacity

Charge mode

Fixed cable type

Number of fixed cables

Fixed cable length

Connection capacity

Output power (via cable)

Secondary power circuit

Contactors

Required service panel breaker

3.7kW, 7.4kW, 11kW, 22kW (upgradable 3.7kW - 22kW)

Mode 3 (EN/IEC 61851)

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

4 m (13 ft), 8 m (26 ft)

Selectable 1-phase or 3-phase, 230V – 400V,
16A and 32A (4-10 mm² wiring), 50-60 Hz

Selectable 1-phase or 3-phase,
16A and 32A (upgradable 3.7kW - 22kW)

12V DC

2 x 40A, 2P, 12V coil current

Minimum dedicated 1 or 3 phase 32A (32A station) or
1 or 3 phase 16A (16A station) upstream circuit breaker
+ additional residual current device,
if required according to local regulations

Optional 3 phase S-Bus MID-certified kWh meter

Metering

Safety and certification

Ground fault detection

Housing fire ratings

Temperature range

Operating humidity

Enclosure ratings

CE certified

Compliance

30 mA AC / 6 mA DC CCID

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

-25°C to +60°C (-13°F to +140°F) for storage and operation

Max. 95% - non condensing

IP54, IK10 (EN/IEC 60529)

Yes

NEN 1010, EN/IEC 61851-1, EN/IEC 61851-22,

EN/IEC 60364-4-41, EN/IEC 62196-1, EN/IEC 60335-1

FCC part 15 Class B

EMI compliance

Connectivity and installation

Authorization

Auto START / Keyfob / RFID card - controller with RFID reader
type Mifare 13.56 MHz

Status indication / HMI

Communication standard

LED ring

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

Communication optional

Communication protocol

UMTS (EU/US/JPN)

OCCP 1.5 S, 1.6 S, 1.6 J

Positioning

GPS / WiFi

Physical properties

Housing

Dimensions (LxWxH)

Weight

Polycarbonate

328 x 186 x 161 mm (13 x 7 x 6 in)

6 kg (13.2 lbs) - 1 phase 16A station with 4 m (13 ft) cable

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

Mounting

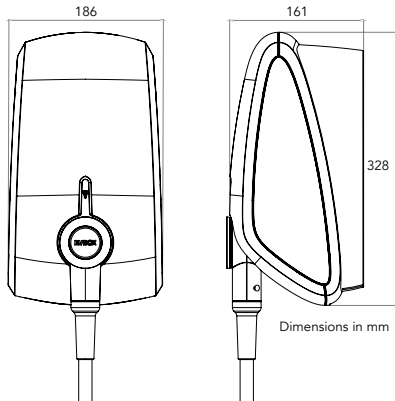
Maximum installation height

Standard colors

On the wall or on the pole

+2000 m (6560 ft) above sea level

Misty Black, Forest Green, Polar White



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