

# 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](https://evbox.com)

## Electrical properties

<b>Charging capacity</b>	3.7kW, 7.4kW, 11kW, 22kW (upgradable 3.7kW - 22kW)
<b>Charge mode</b>	Mode 3 (EN/IEC 61851)
<b>Fixed cable type</b>	Type 1 (SAE J1772) or Type 2 (EN/IEC 62196-2) plug
<b>Number of fixed cables</b>	1
<b>Fixed cable length</b>	4 m (13 ft), 8 m (26 ft)
<b>Connection capacity</b>	Selectable 1-phase or 3-phase, 230V – 400V, 16A and 32A (4-10 mm <sup>2</sup> wiring), 50-60 Hz
<b>Outpower power (via cable)</b>	Selectable 1-phase or 3-phase, 16A and 32A (upgradable 3.7kW - 22kW)
<b>Secondary power circuit</b>	12V DC
<b>Contactors</b>	2 x 40A, 2P, 12V coil current
<b>Required service panel breaker</b>	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
<b>Metering</b>	Optional 3 phase S-Bus MID-certified kWh meter

## Safety and certification

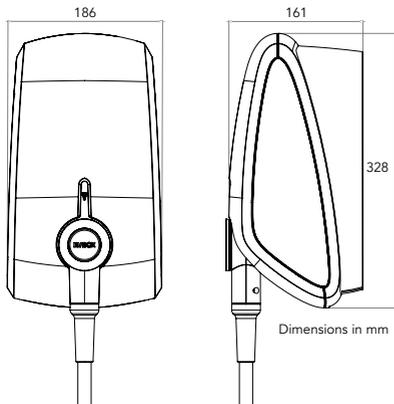
<b>Ground fault detection</b>	30 mA AC / 6 mA DC CCID
<b>Housing fire ratings</b>	UL94 V-0, US-FMVSS / ISO 3795 passed, DIN 53438 F1/K1
<b>Temperature range</b>	-25°C to +60°C (-13°F to +140°F) for storage and operation
<b>Operating humidity</b>	Max. 95% - non condensing
<b>Enclosure ratings</b>	IP54, IK10 (EN/IEC 60529)
<b>CE certified</b>	Yes
<b>Compliance</b>	NEN 1010, EN/IEC 61851-1, EN/IEC 61851-22, EN/IEC 60364-4-41, EN/IEC 62196-1, EN/IEC 60335-1
<b>EMI compliance</b>	FCC part 15 Class B

## Connectivity and installation

<b>Authorization</b>	Auto START / Keyfob / RFID card - controller with RFID reader type Mifare 13.56 MHz
<b>Status indication / HMI</b>	LED ring
<b>Communication standard</b>	WiFi 2.4/5 GHz (IEEE 802.11 a/b/g, IEEE 802.11 d/e/i/h) / Bluetooth 4.0
<b>Communication optional</b>	UMTS (EU/US/JPN)
<b>Communication protocol</b>	OCCP 1.5 S, 1.6 S, 1.6 J
<b>Positioning</b>	GPS / WiFi

## Physical properties

<b>Housing</b>	Polycarbonate
<b>Dimensions (LxWxH)</b>	328 x 186 x 161 mm (13 x 7 x 6 in)
<b>Weight</b>	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
<b>Mounting</b>	On the wall or on the pole
<b>Maximum installation height</b>	+2000 m (6560 ft) above sea level
<b>Standard colors</b>	Misty Black, Forest Green, Polar White



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