

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	3.7kW, 7.4kW, 11kW, 22kW (upgradable 3.7kW - 22kW)
Charge mode	Mode 3 (EN/IEC 61851)
Fixed cable type	Type 1 (SAE J1772) or Type 2 (EN/IEC 62196-2) plug
Number of fixed cables	1
Fixed cable length	4 m (13 ft), 8 m (26 ft)
Connection capacity	Selectable 1-phase or 3-phase, 230V – 400V, 16A and 32A (4-10 mm ² wiring), 50-60 Hz
Outpower power (via cable)	Selectable 1-phase or 3-phase, 16A and 32A (upgradable 3.7kW - 22kW)
Secondary power circuit	12V DC
Contactors	2 x 40A, 2P, 12V coil current
Required service panel breaker	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	30 mA AC / 6 mA DC CCID
Housing fire ratings	UL94 V-0, US-FMVSS / ISO 3795 passed, DIN 53438 F1/K1
Temperature range	-25°C to +60°C (-13°F to +140°F) for storage and operation
Operating humidity	Max. 95% - non condensing
Enclosure ratings	IP54, IK10 (EN/IEC 60529)
CE certified	Yes
Compliance	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

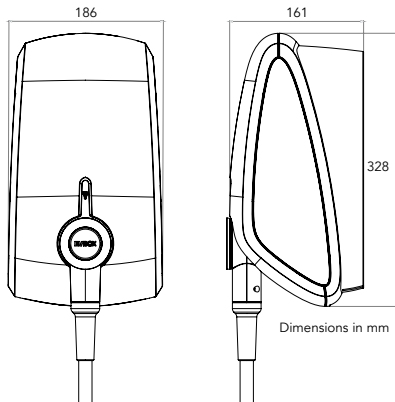
EMI compliance

Connectivity and installation

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

Physical properties

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



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