

EVBox Liviqo



Hassle-free charging that works for your business

Easy to use and effortless to manage, EVBox Liviqo brings a new level of convenience to EV charging for businesses.



evbox.com

Technical specifications



Interfaces	
Connectors	Type 2 fixed cable (6m) or socket (shutter / Type-E optional)
User Interface	5 inch screen (800x400) LED ring, buzzer, light & proximity sensor
Session activation	RFID (ISO/IEC 14443 Type A)

Metering & connectivity	
Metering	MID certified (class B) Eichrect certified (later)
Connectivity	Ethernet, Wi-Fi, LTE-M (4G)
SIM tray	4FF nano-SIM
Communication backend	OCPP 2.0.1
Communication with vehicle	IEC 61851-1, ISO 15118 (hardware ready)

Environmental properties	
Operating altitude	up to 2000 m
Operating temperature	-30 °C to +50 °C
Storage humidity	5 to 95%
Storage temperature	-40 °C to +80 °C
Enclosure rating	IP55 / IK10

Electrical output	
Output power	Up to 22kW
Operating voltage	1 or 3-phase, 230-400V
Operating current	6-32 A (configurable)
Charge mode	Mode 3 (IEC 61851-1)

Smart charging features	
Dynamic Load Balancing	Supported, requires extra EVBox Dynamic Load Balancing kit
Cluster load balancing	Logic integrated (up to 100 Connectors)
Solar charging	EEBUS compliant

Physical properties	
Dimensions, mm (W x H x D)	256 x 508 x 205 mm
Weight (exl. wall bracket)	Approx. 6.5 kg (socket) / 9.1 (cable)
Mounting	Wall or pole
Wire routing	Top or bottom
Housing	Low-carbon Polycarbonate Makrolon RE®

Overview of charging station variants*			
Maximum output power Connector type	7.4 kW	11 kW	22 kW
Fixed cable	Q13262EUC00-CHS	Q31662EUC00-CHS	Q33262EUC00-CHS
Socket	-	-	Q332S2EUC00-CHS Q332S2DEC00-CHS
Socket with RCBO	-	Q316S2EUC80-CHS	Q332S2EUC80-CHS
Socket with shutter	-	-	Q332SSFRC10-CHS Q332SSFRC1E-CHS

Cyber security

Communication	OCPP 2.0.1 Security Profile 3 (TLS with Client Side Certificates)
Secure Storage	Dedicated Trusted Platform Module

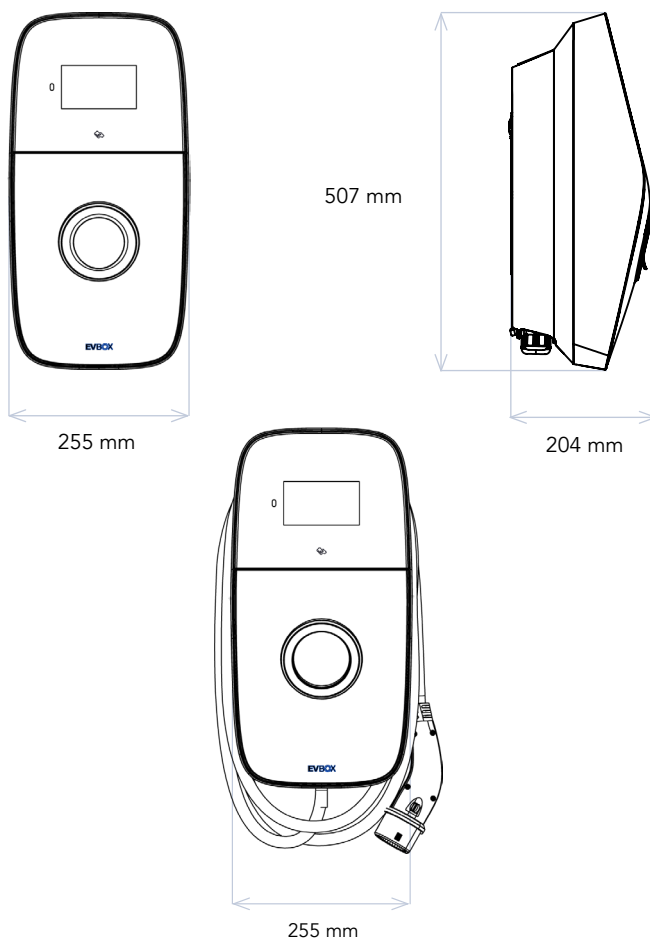
Safety features

Electrical safety	6 mA DC leakage detection (break times & limits compliant to IEC 61851-1:2017, in accordance with IEC 62955:2018 Table 2) Optional: Integrated RCBO (40 A / 30 mA AC leakage detection) Relay Weld Detection (compliant with EN60947-4-1)
Station surge protection	4kV

Compliance

Supported protocols	OpenSSL, embedTLS, HTTPS, SFTP/FTPS, SSH
Information security	ISO 27001, ISO 27002, OWASP IoT Project, GSMA IoT security
Product certification	LVD EU/2014/35, EMC EU/2014/30, RED EU/2014/53, RoHS, IEC/EN 61851-1, IEC 61851-21-2, IEC/EN 62196-1, IEC/EN 62196-2, IEC 62368-1, IEC 61439-7, IEC/EN 60364-4-41, EN 17186, EN 301 489-3, EN 301 489-52, EN 300 328, EN 301 893, EN 301 511, EN 301 908-1, EN 303 413, EN 300 330, EN 62311, EN 300 440, EG 203 367

Dimension **specifications**



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