EVBox Iqon

premium commercial charging solution

EVBOX

Created specifically for the North American electric vehicle market,
EVBox Iqon is designed to balance form and function.

Modular construction allows for easy installation and service.
Bluetooth commissioning enables flexible integration with multiple software providers.

18ft auto-locking cable management system and 8" multi-language LCD touchscreen
create an optimal user experience for both drivers and site hosts.

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ENERGY STAR

- Up to 7.2 kW at 30 A (Charges up to 25 miles in an hour)
- OCPP 1.6 compliant
- Integrated cable management system
- Bluetooth commissioning
- Wi-Fi and 4G*
- RFID / QR
- 8" multilanguage LCD touchscreen
- Color-changing LED rings and guide lights
- Easy to install and maintain
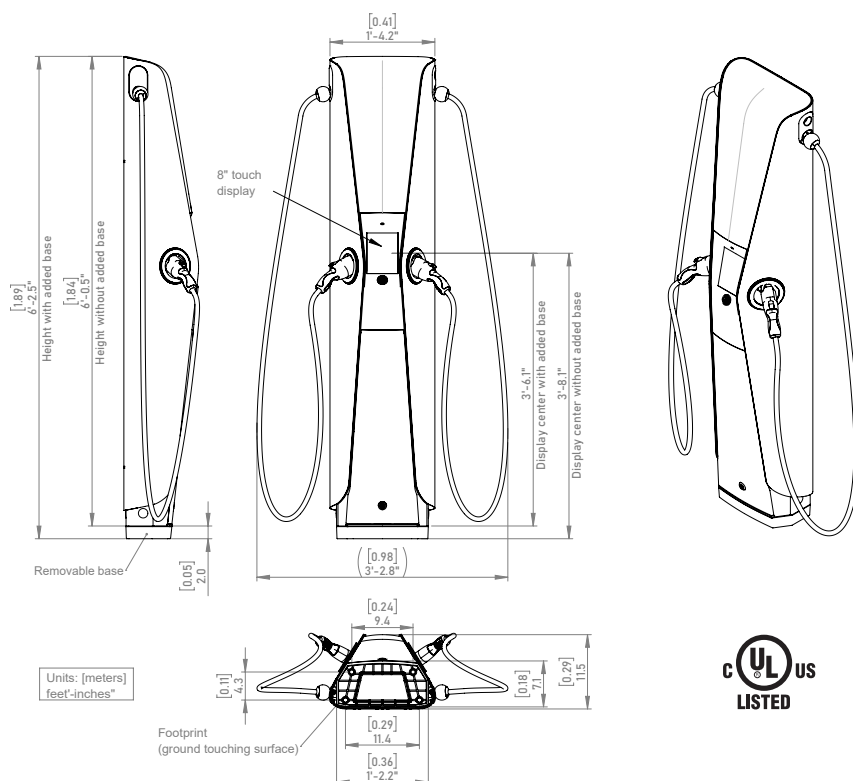- Back-to-back install option
- ADA compliant
- 3-5 year warranty

Max charging capacity	Up to 7.2 kW per cable
Charge mode	2x Type 1 (SAE J1772) fixed cables – fully sealed
Max. output power	2x 7.2 kW (1-phase, 208-240 V AC, 30 A per cable)
Connectors	Level 2 (UL2594) / Mode 3 (IEC 61851)
Charging cable length	18' / 5.5 m with smart cable management system
Plug holders	With docking sensor and locking mechanism
Display	8" (20 cm) LCD IPS full color screen (768 x 1024 px) with capacitive touch, sunlight readable
Display languages	English, Spanish, French, German, Dutch
System lighting	Day & Night mode, auto-adjustable light intensity, automatic system wake-up
Session activation	RFID / QR code
Electrical safety	CCID 20 mA AC leakage detection per outlet
Station surge protection	6 kV
Maximum cluster size	10 dual chargers (20 charge ports)
Mobile connectivity – Hub	4G LTE-FDD CAT1 (B2/4/12) / 3G WCDMA (Band 2/5)
Connectivity – Hub	Dual band Wi-Fi 2.4/5 GHz, Bluetooth 4.0 for configuration with the EVBox Connect app, GPS
Time synchronization – Hub	GPS / Wi-Fi
Communication protocol – Hub	OCPP 1.5 S / 1.6 S / 1.6 J
Safety and compliance	UL 2594, UL2231-2, UL 1998-3, UL 991, cULus
Enclosure rating	IP55 / IK10 / UL 50E (Type 3R)
Collision/vandalism detection	Tilt sensor
Metering	Dual UL-certified revenue grade kWh meter (with California's Title 24 compliance for service metering)
Operating temperature	-22°F to 113°F / -30°C to +45°C
Operating humidity	85% @ 122°F / 50°C (non-condensing)
Storage temperature	-40°F to 140°F / -40°C to +60°C
Storage humidity	95% @ 122°F / 50°C (non-condensing)
Smart energy management	Adjusting max. current, charging profiles, dynamic load balancing (via MAX protocol)
Dimensions, mm (WxHxD)	16.2"x 74.5"x11.5" / 415x1894x275 mm with 2" (50 mm) removable base extension
Weight	188 lb / 85 kg (excluding packaging)
Mounting	Ground mount: free standing, wall-supported or back-to-back options
Housing	Stainless steel
Plastic materials	UL 94 – V0 / US-FMVSS / ISO 3795 passed, DIN 53438 F1/K1