

EVBox Iqon

Premium commercial charging solution



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" LCD touch screen interface create an optimal user experience for both drivers and site hosts.



reddot award 2019
winner urban design



-  Up to 7.2 kW at 30 A
Charges up to 25 miles in an hour
-  OCPP 1.6 compliant
-  Integrated cable management system
-  Wi-Fi and 4G*
-  RFID / QR
-  LCD display, LED ring, and light guides
-  Easy to install and maintain
-  Back-to-back install option
-  ADA compliant
-  3-5 year warranty

* EVBox Iqon requires an OCPP charging network in order to activate a charging session.





Max charging capacity
Charge mode
Output power

Up to 7.2 kW per cable
 2x Type 1 (SAE J1772) fixed cables – fully sealed
 2x 7.2 kW (1-phase, 208-240 V AC, 30 A per cable) or
 2x 3.8 kW (1-phase, 208-240 V AC, 16 A per cable)
 Level 2 (UL2594) / Mode 3 (IEC 61851)

Connectors
Charging cable length
Plug holders

18' / 5.5 m with smart cable management system
 With docking sensor and locking mechanism

Display

8" (20 cm) LCD IPS full color screen (768 x 1024 px) with capacitive touch, sunlight readable

System lighting

Day & Night mode, auto-adjustable light intensity, automatic system wake-up

Session activation

RFID / QR code

Electrical safety

CCID 6 mA DC 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, Energy Star**, FCC

Enclosure rating

IP54 / IK10 / UL 50E (Type 3R)

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), open ADR

Dimensions, mm (WxHxD)

16.2" x 74.5" x 11.5" / 415x1894x275 mm with 2" (50 mm) removable base extension

Weight

176 lb / 80 kg (excluding packaging)

Mounting

Ground mount: free standing, wall-supported or back-to-back options

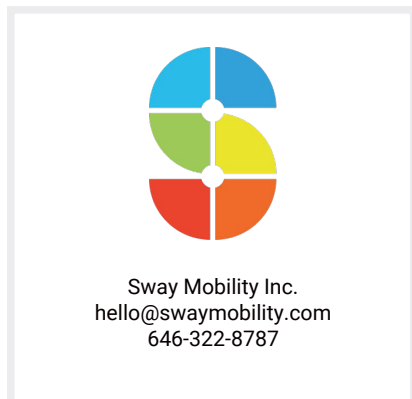
Housing

Stainless steel

Plastic materials

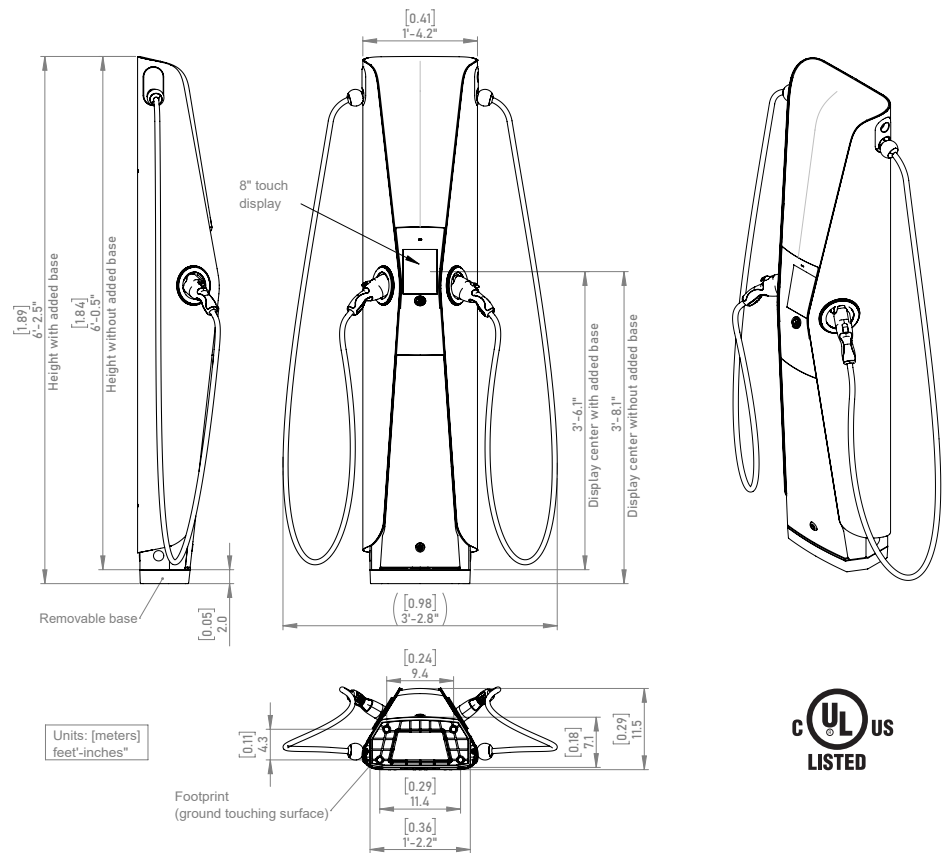
UL 94 – V0 / US-FMVSS / ISO 3795 passed, DIN 53438 F1/K1

** Energy Star certification is pending.



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Plant one tree for every station installed

For every EVBox charging port installed, we donate a tree to help reforest an area affected by climate change. Lend a hand in helping create a greener future by choosing EVBox.