

EVBox Troniq 100

fast charging solution

















Up to 100 kW power output (up to 200 A - 500 VDC)

Ideal charging speed for all new and existing electric cars

Built to last with auto-retractable cables, high quality power electronic components, and more

Functions as a standalone charger, without the need of another unit

Compatible with all electric cars, with CCS1 & CHAdeMO connectors

-  Up to 100 kW fast charging capacity (charges up to 160 miles in ~30 minutes*)
-  Universally compatible with all electric vehicles
-  Anti-glare, color touchscreen (up to 4 configurable languages)
-  LED strips charging indicator
-  Custom payment settings
-  Smart charging capable
-  Roaming
-  OCPP 1.6 compliant and OCPP 2.0 ready
-  Remote maintenance
-  4G / LTE
-  Auto-retractable cables
-  Wheelchair accessible
-  Easy transportation, installation and maintenance
-  3-5 year warranty

* Calculations are based on the average consumption of 18kWh per 60 miles. Real-life consumption depends on the vehicle and driving conditions.



Product overview

EVBox Troniq 100



- Works as a standalone, all integrated charger
- DC charging connectors are included in the housing
- Internal AC / DC converter
- Onboard DC controllers
- EMV payment terminal optional upon further consultation
- Smart charging functionality allows:
 - Remote set up of Max. amperage
 - Load balancing between stations



General specifications

Charging modes

Mode 4 (DC charging)

CCS1 and CHAdeMO up to 200 A - 500 VDC

Connector type

Mode 4

CCS1 and CHAdeMO (JEVS G105)

Cable length*

Mode 4

Effortless: up to 11.5 feet of standard reach
Smart Cable Management activated: up to 14.5 feet

Structure and physical properties

Enclosure material

Enclosure ratings

Operating temperature

Ambient temperature

Operating humidity

Cooling

Mounting method

Maximum installation height

Galvanized steel (structure), aluminum (casing)

IP54 / IK10 / NEMA 3R

-22°F to +122°F (-30°C to +50°C)

-40°F to +158°F (-40°C to +70°C)

5% to 95% non-condensing

Forced ventilation

Floor / Ground (recommended with the optional clamping-sealing kit)

6560 feet (2000 meters)

Footprint (W x H x D)

Weight

Colors

39.2" x 86.1" x 36.0"

2,100 lb

Front: Graphite grey (RAL 7024)

Sides: White aluminum (RAL 9006)

Back: Metallic (RAL 9022)

Connectivity

Authorization

Status indication

HMI

Communication standard

Communication protocol

RFID/NFC (ISO 14443, ISO 18092, ISO 15693, ISO 18000-3, Calypso, Mifare

Ultralight C, -Classic, -Desfire)

LED strips charging indicators

7" anti-vandalism LCD color touchscreen with integrated contactless reader

4G/LTE

OCPP 1.5, OCPP 1.6S, OCPP 1.6J, ready for update to OCPP 2.0

Certifications

UL, EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, EN/IEC 61851-1, EN/IEC 61851-21-2, EN/IEC 61851-22, EN/IEC 61851-23

*Exact length is to be confirmed

Electrical properties

AC input

Voltage range	480 VAC +/- 10%
Number of phases	3 P + PE
Frequency	60 Hz
Input rating	145.5 kVA
Nominal input current	133 A
Maximal input current	178 A
Power factor	> 0.98
Efficiency	95%
Grounding system	IT, TT or TN-S
Stand-by power consumption (20 °C)	158 VA

DC output

Output power	Up to 100 kW
Output voltage range	50 VDC – 500 VDC
Output current range	Up to 200 A

Electrical protections

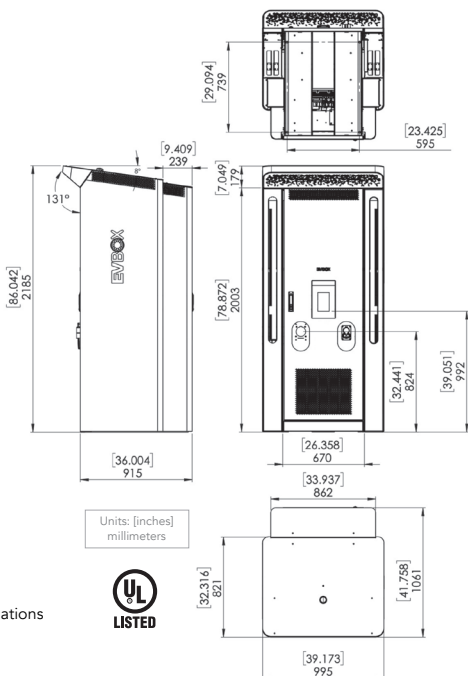
Internal electrical protection

Thermal-magnetic circuit breakers: 150A for plugs, 6A for electronics

Required circuit breakers upstream

Switch / disconnecting circuit breaker capable (min 220 A)

A transient voltage surge suppression in accordance with the local regulations



Plant one tree for every charging port 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.

Note: Technical specifications are subject to change pending product development.

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