

# EVBox Troniq 100

## fast charging solution

EVBOX















Up to 100 kW power output

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.



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# 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

#### Storage 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

<b>Voltage range</b>	480 VAC +/- 10%
<b>Number of phases</b>	3 P + PE
<b>Frequency</b>	60 Hz
<b>Required power supply capacity</b>	152 A
<b>Maximal input current</b>	178 A
<b>Power factor</b>	> 0.98
<b>Efficiency</b>	95%
<b>Grounding system</b>	IT, TT or TN-S
<b>Stand-by power consumption (20 °C)</b>	158 VA

## DC output

<b>Output power</b>	Up to 100 kW
<b>Output voltage range</b>	50 VDC – 500 VDC
<b>Output current range</b>	Up to 200 A

## Electrical protections

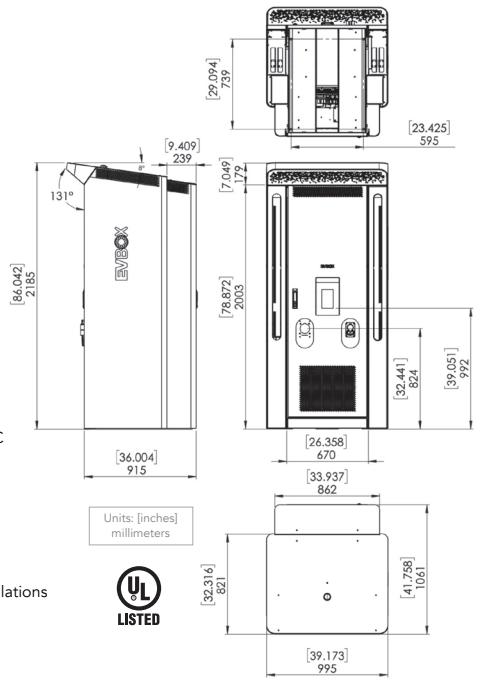
### Internal electrical protection

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

### Required circuit breakers upstream

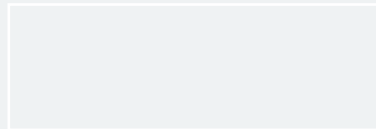
Switch / disconnecting circuit breaker capable (min 220 A)

A transient voltage surge suppression in accordance with the local regulations



**Plant one tree for every 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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