

EVBox Ultroniq

The high-power charging solution
for your business.



Meet EVBox Ultroniq

EVBox Ultroniq delivers high-power DC charging consistently and reliably. With up to 350 kW and 500 A of continuous power output, Ultroniq is ideal for short-stop locations and fleet vehicle charging.

Reliable in every situation

- Easy installation
- Scalable architecture
- Full power, every time

Optimized for every location

- Connect to any backend
- Smart Charging
- Set custom tariffs

Accessible for everyone

- Smart cable management
- Guiding LED lights
- Intuitive 7" touchscreen



IDEAL FOR



Charging
service providers



Car fleets



Transit and
transport



Utilities



Fuel Retail



Reliable in every situation

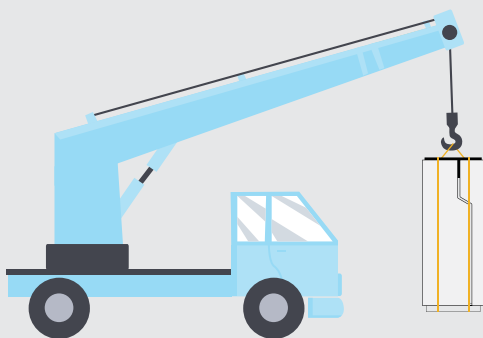
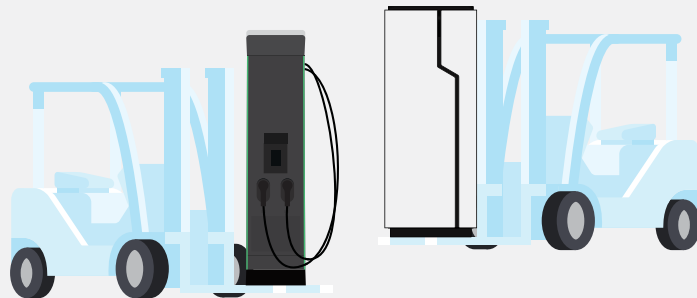
EVBox Ultroniq is easy to transport, install, and maintain thanks to its high-quality electrical components and rugged, scalable architecture. What's more, the integrated cooling system ensures that Ultroniq delivers up to 500 A of high-power DC charging safely and consistently.

Both the Power Unit and User Unit can be installed easily with a forklift or crane. The grooves built into the bottom of the Power Unit provide easy access for forklifts or slings—the User Unit can be lifted from the top with lifting rings.

Thanks to Ultroniq's scalable architecture, the Power Unit can be kept out of sight and installed away from the User Unit. This allows it to easily fit into your existing layout.



FORKLIFT (BOTTOM)



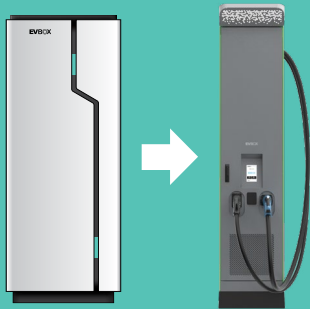
CRANE (TOP)

Continuous power every time

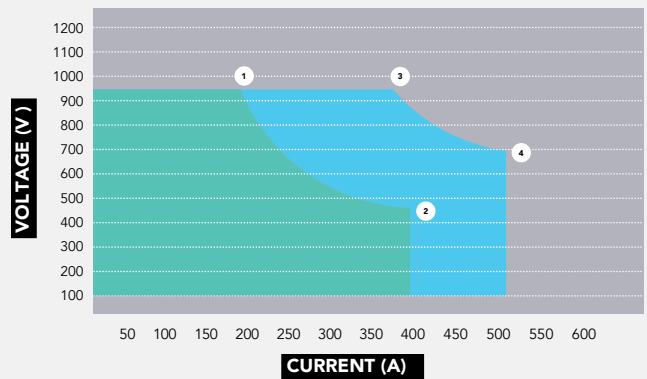
EVBox Ultroniq is suitable for a variety of parking spaces thanks to its scalable architecture that evolves with your needs and safeguards your investment. Choose your combination of User Units and Power Units based on your current power output demand—you can always add more units in the future.

Configuration A: 175 kW / 375 A

- 1 x EVBox Ultroniq Power Unit 375 A
- 1 x EVBox Ultroniq User Unit V2 500 A with integrated cooling unit

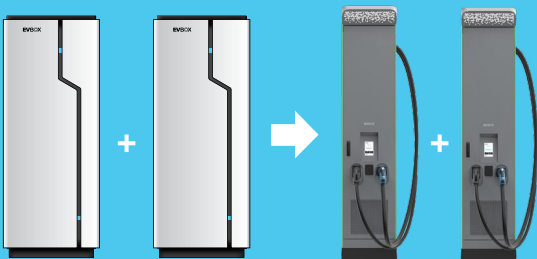


EVBOX ULTRONIQ DELIVERS 350 KW OF CONTINUOUS POWER



Configuration B: 350 kW / 500 A

- 2 x EVBox Ultroniq Power Unit 375 A
- 2 x EVBox Ultroniq User Unit V2 500 A with integrated cooling unit



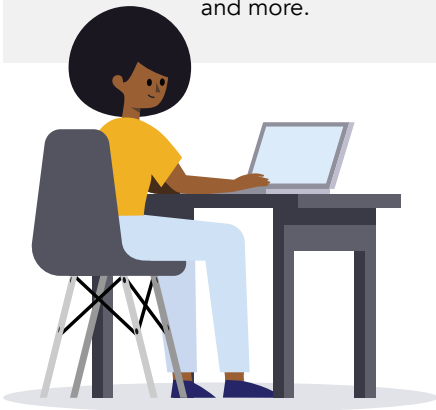
- 175 kW / 375 A
- 350 kW / 500 A
- 1 184 A / 950 V / 175 kW
- 2 375 A / 466 V / 175 kW
- 3 368 A / 950 V / 350 kW
- 4 500 A / 700 V / 350 kW



Optimized for every location

Avoid costly grid updates by setting maximum current available at your location through OCPP (Backend) and choosing a prioritisation strategy.

Create an additional stream of income for your business with EVBox Ultroniq by setting a fee on charging sessions. You can set transaction, energy, and time-based fees to earn back your investment and more.

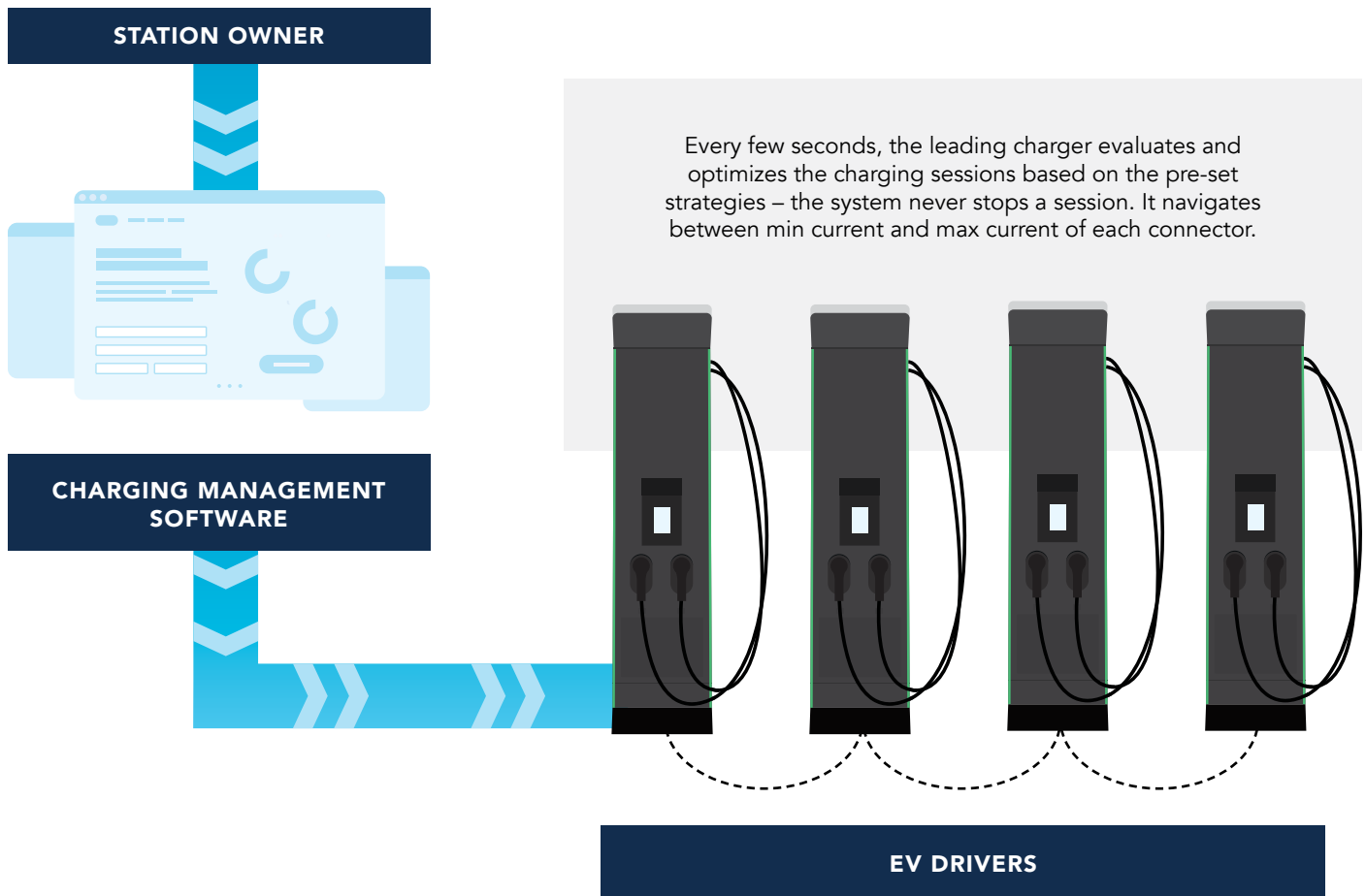


Load Balancing

EVBox Ultroniq lets you set the maximum current level and optimize power distribution between connectors to avoid costly grid upgrades.

How are charging sessions optimized?

EVBox Ultroniq charging sessions at your location can be optimized by implementing preset strategies. These strategies allow charging sessions to be prioritized by the time of arrival, as well as the state of an EV's battery thanks to the Energy Management System.



Accessible for everyone

Guiding LED Lights

EVBox TronIQ features LED status indicators that guide the user with clear, easy-to-understand information on the charging status. Plus, the powerful LED Top Lights provide better visibility for drivers searching for a place to charge at night.

Intuitive 7" Touchscreen

EVBox UltronIQ features a large color touchscreen and is able to be operated using any four languages that you choose depending on your customer base.

Wheelchair accessible

EVBox UltronIQ is accessible to everyone, including wheelchair users, thanks to the height of the display and charging plugs.



Smart Cable Management

EVBox UltronIQ uses smart cable management to keep the charging cables safe, locked, and off the ground so your investment stays protected.

Optional Payment Terminal

EVBox UltronIQ can be attached with an EMV credit card terminal for quick and accessible payments—available in consultation with an EVBox sales representative.

Universally Compatible

EVBox UltronIQ can be equipped with up to two connectors: CCS 2 and CHAdeMo. This makes our fast chargers compatible with every electric car on the market.

Type of EV	CITY CAR	MIDSIZE	CARGO VAN	TRUCKS/BUSSES	
Average Battery size	50 kWh	100 kWh	75 kWh	200 kWh	300 kWh
Average time to charge the battery from 20% to 80% at 350kW*	5 min	10 min	8 min	20 min	30 min

**For illustrative purposes only and does not reflect actual charging times*



10 EVBox Ultroniq keeps the cables off the ground

General specifications

CHARGING MODE

Mode 4 (DC charging)	CHAdeMO up to 500 V / 200 A / 100 kW CCS2 up to 950 V / 375 A / 175 kW CCS2 up to 950 V / 500 A / 350 kW
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CONNECTOR TYPE

Mode 4	CCS2 cooled cable and CHAdeMO
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CABLE LENGTH

Effortless:	up to 3.5 m of standard reach
Smart Cable Management activated:	up to 4.5 m extended

STRUCTURE AND PHYSICAL PROPERTIES

Enclosure material	Galvanized steel (structure), aluminum (casing), stainless steel (base)
Enclosure ratings	IP54 / IK10
Ambient temperature	-30°C to +50°C
Storage temperature	-40°C to +70°C
Operating humidity	5% to 95% non-condensing
Enclosure fire ratings	M3 (NF P 92-501)
Cooling	Forced ventilation
Mounting method	Floor / Ground (recommended with the optional clamping kit)
Maximum installation height	< 2000 m

DIMENSION (W X H X D) AND WEIGHT

EVBox Ultroniq Power Unit 375 A	714 x 1993 x 858 mm / 1260 kg
EVBox Ultroniq User Unit 500 A	588 x 2566 x 905 mm / 350 kg

CONNECTIVITY

Authorization	RFID/NFC (ISO 14443, ISO 18092, ISO 15693, ISO 18000-3, Calypso, Mifare Ultralight C, Classic, Desfire)
Status indication	LED strips charging indicators
HMI	7" anti-vandalism LCD color touchscreen with integrated contactless reader
Communication standard	4G/LTE
Communication protocol	OCPP 1.5, OCPP 1.6S, OCPP 1.6J, ready for update to OCPP 2.0

CERTIFICATIONS

CE, EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, EN/IEC 61851-1, EN/IEC 61851-21-2, EN/IEC 61851-23, DIN 70121, ISO15118
Eichrect certified version available

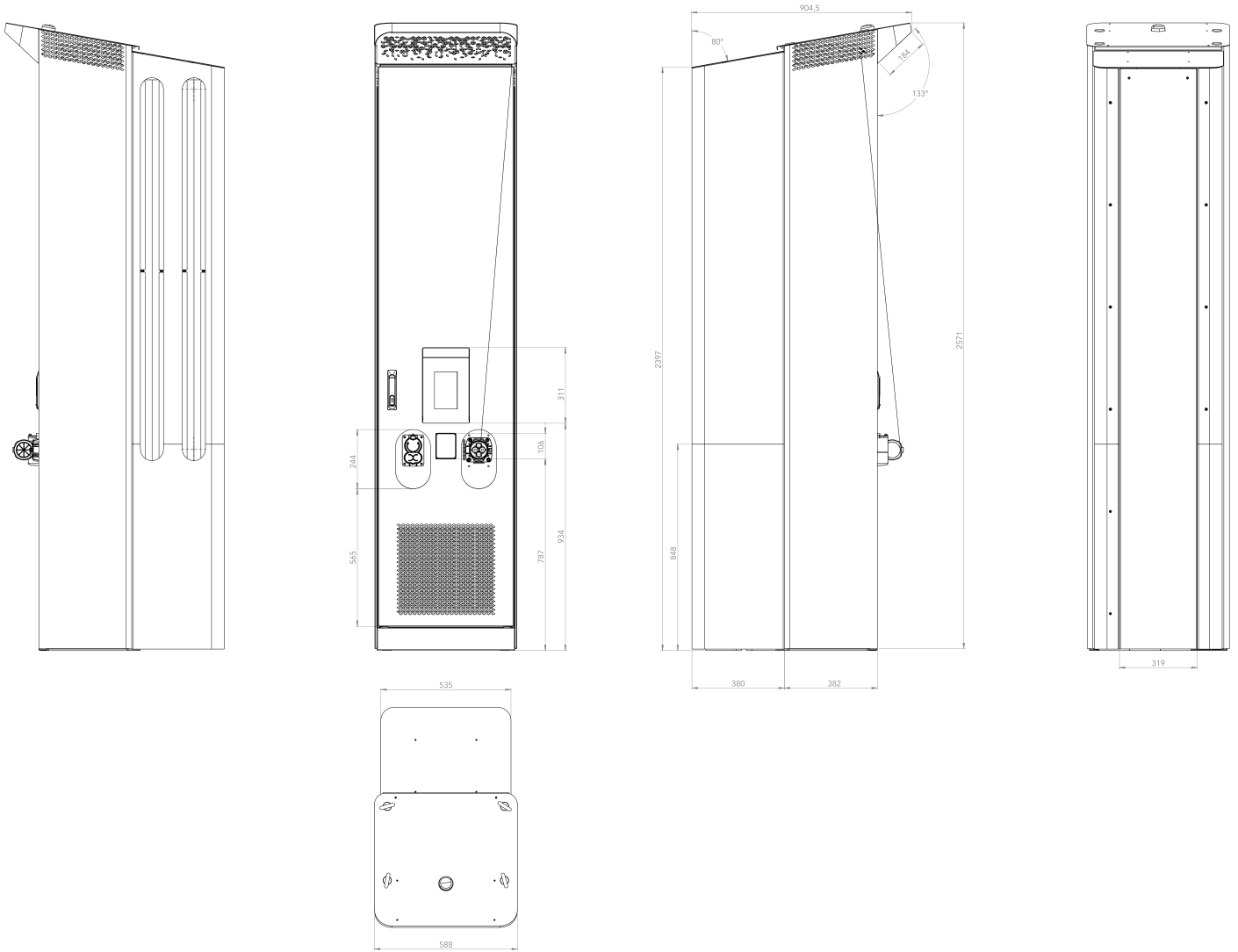
COLORS

Power Unit	RAL 7021, RAL 9006, RAL 9011
User Unit	RAL 9023, RAL 9016

Technical specifications

	CONFIGURATION A EVBox Ultroniq 175 kW / 375 A	CONFIGURATION B EVBox Ultroniq 350 kW / 500 A
AC input (EVBox Ultroniq Power Unit 375 A)		
Voltage range	400 VAC +/- 10%	
Number of phases	3 P + N + PE	
Frequency	50 Hz	
Power factor	> 0.98	
Efficiency	95%	
Grounding system	IT, TT or TN-s	
Stand-by power consumption	100 W + 40 W	100 W + 100 W + 40 W
Input rating	184 kVA	2 x (184 kVA)
Nominal input current	263 A	2 x (263 A)
DC output		
Maximum output power	175 kW	350 kW
Output voltage range	50 VDC – 950 VDC	50 VDC – 950 VDC
Maximum output current	184 A @ 950 V 375 A @ 466 V	368 A @ 950 V 500 A @ 700 V
Electrical protections		
Internal electrical protections	RCBO 30 mA Type A; MCB curve C/D; DC output fuses; 10 mA ground detector	
Required circuit breakers upstream	Adjustable MCCB, set to: $I_o = 270 \text{ A} / I_{sd} = x 10$ & RCD 300 mA, Type A, HI, (S)	2 x (Adjustable MCCB, set to: $I_o = 270 \text{ A} / I_{sd} = x 10$) & 2 x (RCD 300 mA, Type A, HI, (S))

Technical specifications



Get started with EVBox



TELL US YOUR PREFERENCES

Enter your preferences in a short online form available at evbox.com/quote.
It's free and takes just two minutes!



GET YOUR FREE QUOTE

You'll receive a call from us or a certified EVBox partner to discuss your needs and provide you with a commitment-free price estimation.



TECHNICAL VISIT

Upon approval, our partners will inspect your site and power capacity to determine your final installation plan and price.



INSTALLATION & ACTIVATION

Our highly-skilled and certified installation partners will safely set up your new station at the optimal location on your site.



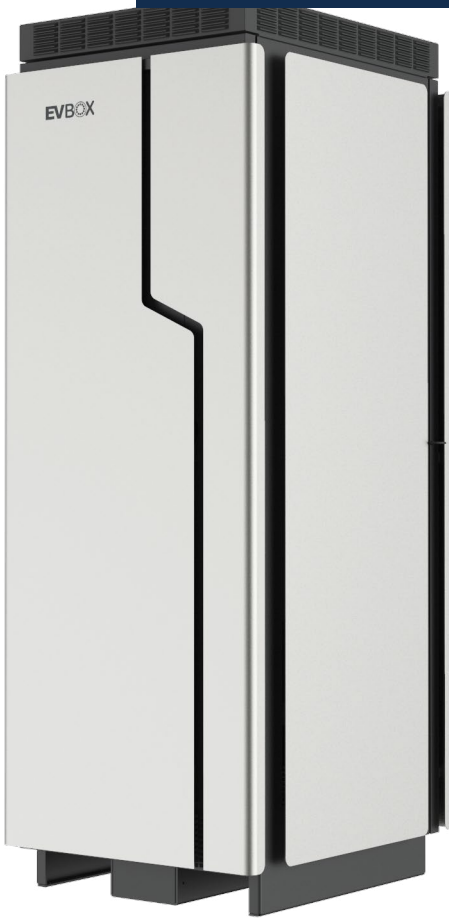
MAINTENANCE & SUPPORT

Alongside our partners, we provide you with ongoing maintenance and support. We're available 24/7 online and via phone.

Get started today at evbox.com/quote

EVBOX USER UNIT 500 A
CCS2 500 A

EVBOX POWER UNIT 375 A



EVBOX USER UNIT 500 A
CCS2 500 A AND CHADEMO 200 A



Download the manual at evbox.com/manuals

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