

# Product Catalog

North America

2022





# Introduction

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Heliox provides world-class smart energy management solutions that are scalable within a fast-changing e-mobility landscape. We serve e-bus and e-truck fleets, passenger vehicles, marine, port, mining vehicles, aircraft, and more.

With a team of 250+ industry experts around the world, it's our aim to help you make a seamless transition to e-mobility.

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# Charging ahead

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Heliox designs, builds, and manufactures world class rapid charging solutions that are tailored and scalable within a fast changing e-mobility landscape. We are working toward a sustainable world where a seamless charging experience is the standard for every electric vehicle, and this transforms the way we power our everyday.

Operating globally, the company is headquartered in the Netherlands with a North American HQ in Atlanta and a manufacturing facility in Minnesota, ensuring all our products are Buy America Act compliant.

## The numbers that matter

**25000+**

vehicles powered  
by Heliox

**1600+**

DC rapid chargers  
installed globally

**200MW**

of smart charging  
solutions installed

**250+**

employees  
worldwide

**20**

countries with  
Heliox solutions

**450kW**

ultra-rapid DC  
charging speed



# Who we serve



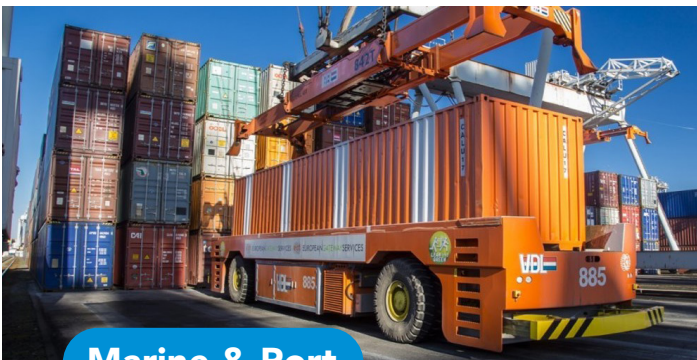
**E-Bus**

Our depot and opportunity charging solutions provide fast, reliable EV charging, and can have up to three dispensers connected to a single station, keeping your investment low and your performance high.



**E-Truck**

We offer a scalable solution for wherever you are in your electrification journey. Our Mobile units enable quick, cost-effective DC charging, and our hardwired units offer unmatched flexibility and speed.



**Marine & Port**

Our high-power DC charging solutions can be configured to charge any electric watercraft or support vehicle, enabling a simplified deployment of EV charging that serves your entire location.



**Mining**

We power the cleaner, quieter, and cooler electric vehicles being used in construction and mining, not only to improve air quality, but to reduce total cost of ownership for your business.

# Product Overview

From lightweight and portable to modular and upgradable DC chargers, our suite of products caters to all types of fleet owners, businesses, and municipalities.



## Mobile

50 kW

With no fixed installation required, it's never been easier to get started or scale your operation.



## Flex

180 kW

The most flexible solution for depot and opportunity charging, powering up to three vehicles from one station.



## Ultra Fast

450 kW

Opportunity charging that keeps your fleet moving, adding over 100 miles of range in under 30 minutes.

### Dispenser options:



## DC column

250 A

For CCS type-1 plug outlets (Flex only)



## DC cabinet

600 A

For pantograph or dispenser reel (Flex or Ultra Fast)

# Mobile

## Lightweight and portable



Compact, all-in-one design and no fixed installation enables rapid DC charging anywhere Mobile can be plugged in



Strong metal casing and wheel system means Mobile can stand up to wear and tear better than other portable chargers



### Charging Estimator

Time to power up to 100 miles

#### 50 kW Mobile Charger



E-Bus

190 min



E-Truck

265 min

Output voltage  
range: 100 -  
1000V

Power conversion  
efficiency: 96.2%

Compliance &  
Safety: UL 2202 /  
UL 2231



### Adjustable input

Turn the dial and charge even  
when power is limited.

100%

50%

25%



Actual power maybe impacted due to vehicle parameters



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# Flex

## Easily scalable for growing fleets



Modular design enables up to three dispensers per station, charging in parallel, in sequence, or dynamically



Compatible with any charging interface you need



Built to last 15+ years with NEMA 3R rated enclosure fit for all weather



### 1:3 Flex Charging Configurations

- Sequential:** 1 active session @ 180 kW (rotates when full)
- Parallel:** Up to 3 active sessions @ 60 kW each
- Dynamic:** 1-3 active sessions @ 180 / 120 / 60 kW

Output voltage range: 200 - 1000V

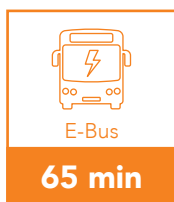


### Charging Estimator

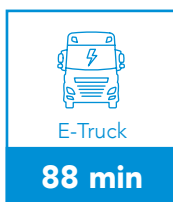
Time to power up to 100 miles

Power conversion efficiency: 96.2%

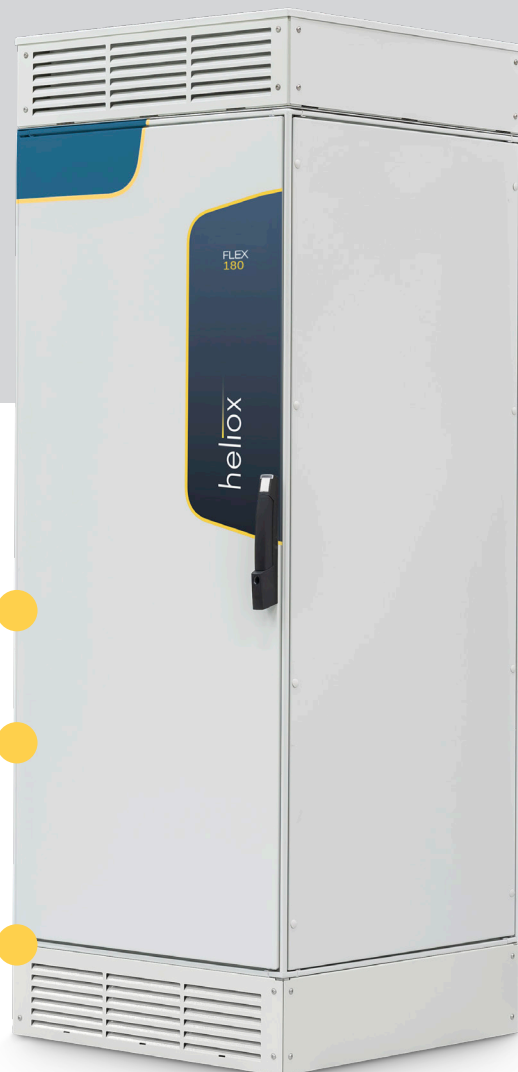
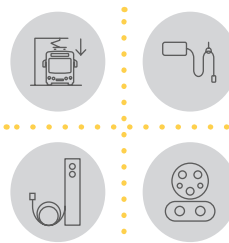
180 kW Flex Charger



65 min



88 min



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# Ultra Fast

## Charge EVs in minutes



Quick charge in 5-10 minutes without the need of schedule change (adds ~5 miles/minute)



Arrange the six power cabinets in two different layouts - line or block

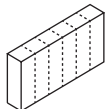


Used at depots or en-route, our ultra-fast chargers offer full flexibility

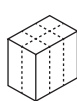


### Setup layouts

Line:



Block:



### Charging Estimator

Time to power up to 100 miles

450 kW Ultra Fast



E-Bus

20 min



Power conversion  
efficiency: 96.2%

Output voltage  
range: 460 - 800V

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# DC column

## Easy plug-in depot charging



Fast and user-friendly DC charging for any CCS type-1 compatible EV



360 degree color-changing beacon for long-range visibility of charger status

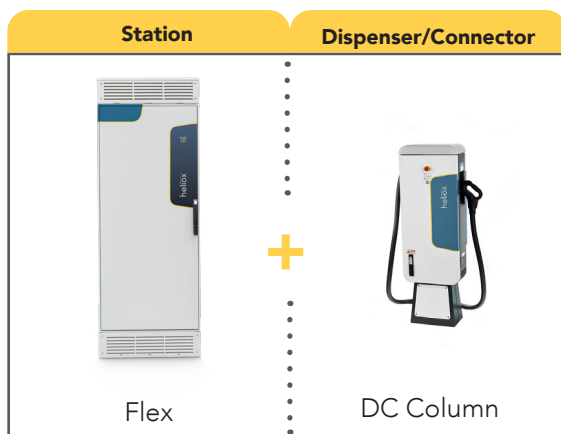


Intuitive interface for user-friendly session activation with onboard stop button



### Setup configuration

For scalable depot charging



Status indication

- READY
- CHARGING  
PRESS BUTTON TO STOP
- ERROR

Maximum DC  
current: 250 A

Cable length:  
11.5 ft (standard)  
23 ft (extended)



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# DC cabinet

## Flexible dispenser options



Quickly add range any compatible EV for reliable opportunity or depot charging (J3105-1 or J1772)



Compact architecture enables flexible installation options (i.e., inside mast, on gantry, along wall)

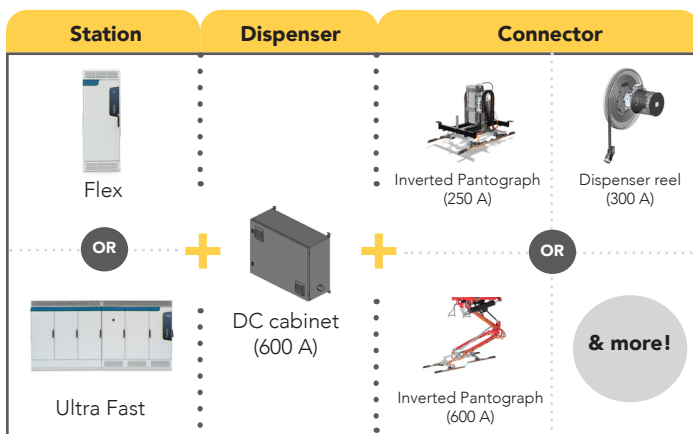


Optional external color-changing beacon ensures visibility of dispenser status



### Setup configurations

For depot or opportunity charging



Output voltage  
range: 250 -  
1000 V

Maximum DC  
current: 600 A

Status indication

- READY
- CHARGING
- ERROR

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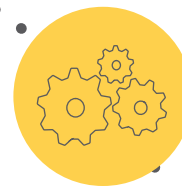


# Services

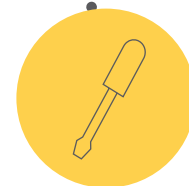
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**Design**



**Manufacturing**



**Assembly**



**Installation**



**Operation**



**Maintenance**



**Monitoring**



**Support**

# The Complete Charging Solution

We work with only the best in the industry, ensuring your project is set up right the first time and supported by Heliox and our expert field service partners



## Simple Setup

We visit your site for a tailored quote, followed by delivery, setup, commissioning, testing, training, and operations.



## US Manufacturing

Manufactured and tested in the United States, all of our stations are Buy America compliant.



## Expert Support

Our Service Level Agreements provide proactive maintenance, notifications, and technical fixes.

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# Customer Roadmap

- 1 Request for quotation**  
Answer a few simple questions about your business' charging needs to start your journey with Heliox.
- 2 Site visit & tailored quotation**  
We conduct a site visit to understand the specifics of your request and send a tailored quotation covering every facet of your project
- 3 Agreement between parties**  
Any questions on scope and planning can be answered by our Sales, Operations, and Installation teams before an agreement is made.
- 4 Ordering & assembly**  
On average, this take around six weeks, depending on the size and scope of the agreement.
- 5 Operations start**  
On-site implementation begins for your project, including delivery, installation, commissioning, testing, training and the start of operations. Service and maintenance are always on hand if any issues arise thereafter.
- 6 Monitoring and maintenance**  
Start tracking the performance and utilization of your chargers with the OCPP-compliant backoffice provider of your choice (optional).





# Our partners

We work with the best brands in the business. From energy companies to OEMs, municipalities, retail, airports, associations and many more.

Please visit: [www.heliox-energy.com/partner-with-us](http://www.heliox-energy.com/partner-with-us)



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**Have a question?  
Let's chat!**

For general queries  
[info@heliox-energy.com](mailto:info@heliox-energy.com)

For technical support  
[support@heliox-energy.com](mailto:support@heliox-energy.com)

**Ready to get started?  
Get your quote!**

Scan me to start  
your journey!

