

## Opportunity Charger 600 kW



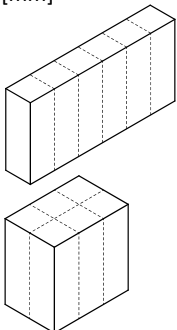
Opportunity Charging is Ultra Fast charging at the turn-around location of the bus route and offers a zero impact solution. Without the need of schedule change, electric buses can run all day and a significant passenger capacity increase and cost reduction can be achieved.

Heliox Power Curve Technology results in ultrashort charge sessions, that reduce the impact on the timetable to a minimum: within 2-5 minutes of opportunity charging at the end bus stops, you can optimize your electric bus operation. Implementation is simple and straightforward; the solution is fully scalable and can be introduced route by route. All chargers have the elements required for V2G and smart grid functionality.

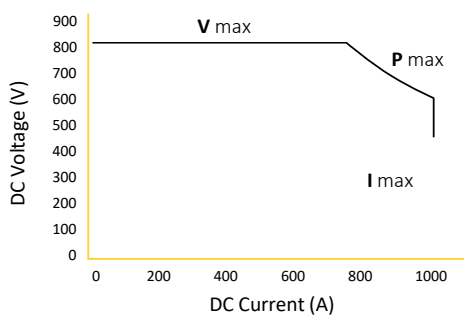
\* Under development

### Dimensions

Line	Block
H: 2300	H: 2400
W: 4800	W: 2400
D: 800	D: 1600
[mm]	



### Power Curve



V min = 460 V DC  
P max = 600 kW

## Specifications

### General

Environment operating

Temperature

Charging standard

Compliance and safety

Output DC voltage range

Rated DC output power

Rated DC output current

Input connections

Input power rating;  
full load / idle

Input AC line-line voltage range

Input AC phase current;  
maximum / fused

Power factor, THD

Power conversion efficiency

Dielectric withstand

Network connection

Protection

Operational noise level

System weight

### Charger

Indoor/Outdoor

-4 to 122 °F (optional to -22 °F)

SAE J3105\*

UL 2202\* / UL2594\*

460 - 800 V

600 kW

1000 A, bidirectional

3P + PE

650 kVA / 50 VA

480 V +/-10%

782 / 900 A, inrush current limited

> 0.99, < 5%

> 96%

3000 V RMS

3/4G modem / OCPP

NEMA 3R / IK10

<55 dB(A) @ 6.56 ft

11243.57 lbs

\* Under development

97%  
Efficiency

Highest  
up time

Back office  
systems

Zero  
Emissions

Support  
services

Industry's  
quietest

Heliox Automotive B.V.  
De Waal 24, 5684 PH Best,  
The Netherlands

+31 88 5016 300  
info@heliox.nl  
www.heliox.nl