

# Ultra-Fast 600 kW

Future-proof. Scalable. Powerful.

Never have to make a schedule change again with a charger that can optimally charge a bus in just 2-5 minutes.

The Heliox Ultra-Fast 600 kW, the ultimate solution in opportunity charging.

OPPORTUNITY  
CHARGE  
600

heliox



Heliox Power Curve Technology results in ultrashort charge sessions of 2-5 minutes.



V2G and smart charging ready.



The 6 power cabinets can be arranged in two different layouts for optimal site configuration.

# Ultra-Fast 600 kW



**Increase Passengers, Reduce Costs:** Ultra-Fast charging speed along a bus route allows your electric buses to run all day, meaning you can achieve not just a significant increase in passenger capacity but a significant cost reduction as well.



**Simple & Scalable:** Implementation is straightforward and fully scalable. The charger can be introduced route by route as you need it, plus, it comes ready for V2G and smart charging functionality, making the Ultra-Fast 600 kW future-proof.

**96%  
Efficiency**

## Interfaces



## General

Charging standard	IEC61851-1/23/24
Communication standard	DIN70121 / ISO15118-1/2/3 ed1 (incl. V2ICP/VDV261 support)
Compliance and safety	CE / EN 55011 / IEC61000-6-2
Power factor above 50 % rated	> 0.99
Average THD V, THD I	2%, 5%
Peak efficiency	96%
Dielectric withstand	3000 V
Network cellular	4G modem, LAN
Back office	OCPP 1.6J/2.0, Chargesight
Temperature range	-30 to 50 °C
Operational noise level	< 55 dB(A) @ 2 m
System weight	5100 kg
Protection	IP54 / IK10
Environment operating	ISO 12944: C4 H
Formation	Line / Block
Roof Design	Gabled / Shed

## Input

Input connections	3P + PE or 3P + PE + N
Input power rating; full load / idle	645 kVA / 500 VA
Input line-line voltage range	400 V AC +/- 10 %, 50 Hz (MV integration optional)
Input maximum AC current per phase	1000 A, inrush current limited

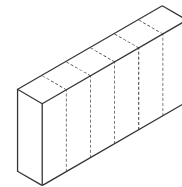
## Output

Output DC voltage range	460 - 800 V
Rated DC output power	600 kW
Maximum DC output current	1000 A, bidirectional ready

## Dimensions

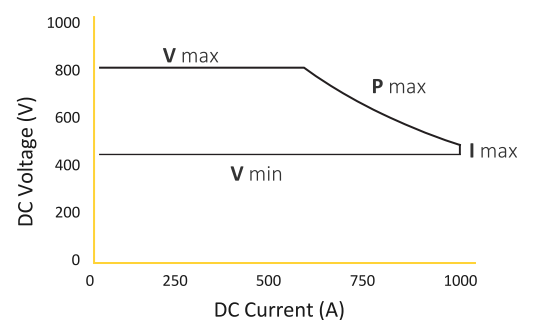
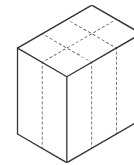
### Line:

H: 2300  
W: 4800  
D: 800  
(mm)



### Block:

H: 2400  
W: 2400  
D: 1600  
(mm)



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www.heliox-energy.com  
info@heliox-energy.com