

## Opportunity Charger 600 KW



## Specifications

**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.

### General

Environment operating  
Temperature  
Charging standard  
Compliance and safety  
Output DC voltage range  
Rated DC output power  
Rated DC output current

### Charger

Indoor/Outdoor  
-20 to 50 °C (optional to -30 °C)  
IEC61851-1/23/24 /  
DIN 70121 / ISO15118  
CE / EN 55011 / IEC61000-6-2  
460 - 800 V  
600 kW  
1000 A, bidirectional

Input connections  
Input power rating;  
full load / idle  
Input AC line-line voltage  
range  
Input AC phase current;  
maximum / fused  
Power factor, THD  
Peak efficiency  
Dielectric withstand

3P + PE  
650 kVA / 50 VA  
400 VAC +/-10 %  
(MV integration optional)  
938 / 1000 A, inrush current  
limited  
> 0.99, < 5%  
97%  
3000 V

Network cellular  
back office  
Protection  
Operational noise level

4G modem, LAN  
OCPP 1.6J/2.0\*, ChargeSight  
IP54 / IK10  
<55 dB(A) @ 2 m

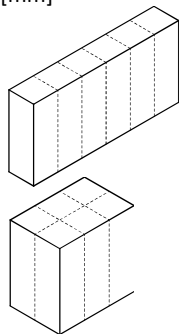
System weight

5100 kg

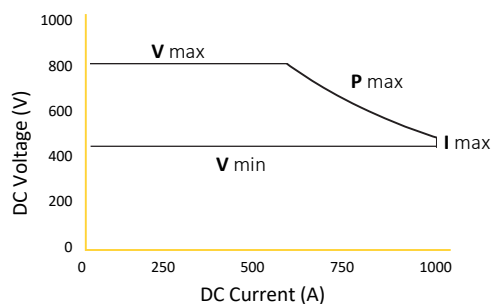
### Dimensions

Line	Block
H: 2300	H: 2400
W: 4800	W: 2400
D: 800	D: 1600

[mm]



### Power Curve



\*Under development

→ 97%  
Efficiency

⌚ ↑ Highest  
up time

☑ Back office  
systems

☁ Zero  
Emissions

🔧 Support  
services

🔊 ↓ Industry's  
quietest

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