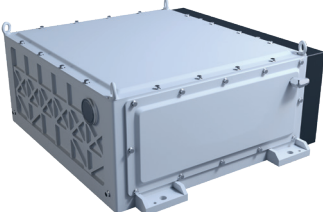




Fuel Cell Stack **Solutions**

METALLIC FUEL CELL STACK



GRAPHITIC FUEL CELL STACK



Fuel Cell Stack Solutions

Our fuel cell stack products

- Wide product range for various applications
- Graphitic as well as metallic fuel cell stack products
- Power range of 5 kW to 200 kW
- Operation temperature from -30 °C to 85 °C
- Stack efficiency over 53 %
- Environmental protection at IP67
- Control and interface through CAN BUS
- Optimized towards cost-efficient production



Reliable



Efficient



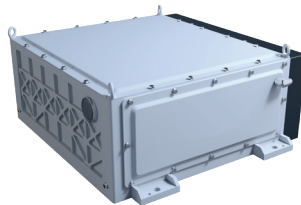
Sustainable

A1 GRAPHITIC FUEL CELL STACK



	Series product	Next Gen
Rated power (max)	42 up to 85 kW	150 to 200 kW
Volumetric power density (excl. endplates)	3.5 kW/l	4.5 kW/l
Gravimetric power density (incl. endplates)	2.1 kW/kg	2.5 kW/kg

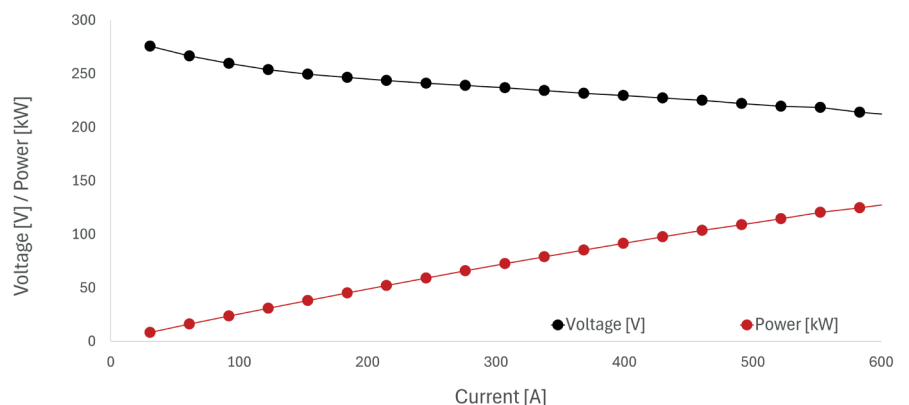
W1 METALLIC FUEL CELL STACK



	Series product	Next Gen
Rated power (max)	120 up to 130 kW	≥ 300 kW
Volumetric power density (excl. endplates)	5.4 kW/l	≥ 6.0 kW/l
Gravimetric power density (incl. endplates)	> 2.6 kW/kg	≥ 3.5 kW/kg

Performance of a W1 metallic stack: 120 kW rated stack power

Test conditions:
 Temperature: 70 °C
 Humidity: 60 % Anode / Self-humidified Cathode
 Inlet pressure: 100 kPa Anode / 80 kPa Cathode
 Stoich.: 1.6 Anode / 1.8 Cathode



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