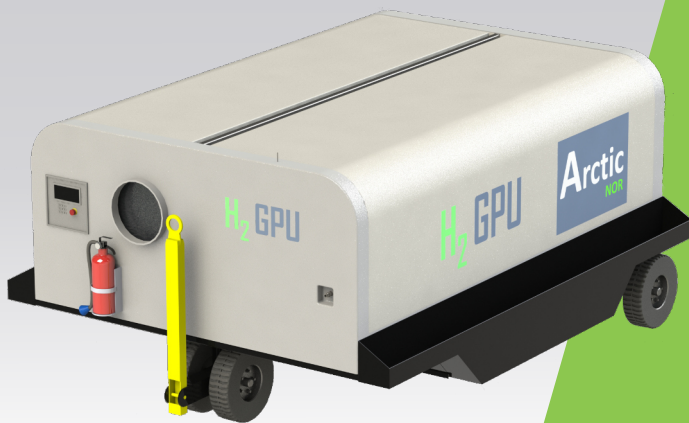




Arctic Power
Zero-Emission Power and Heat

FACT SHEET

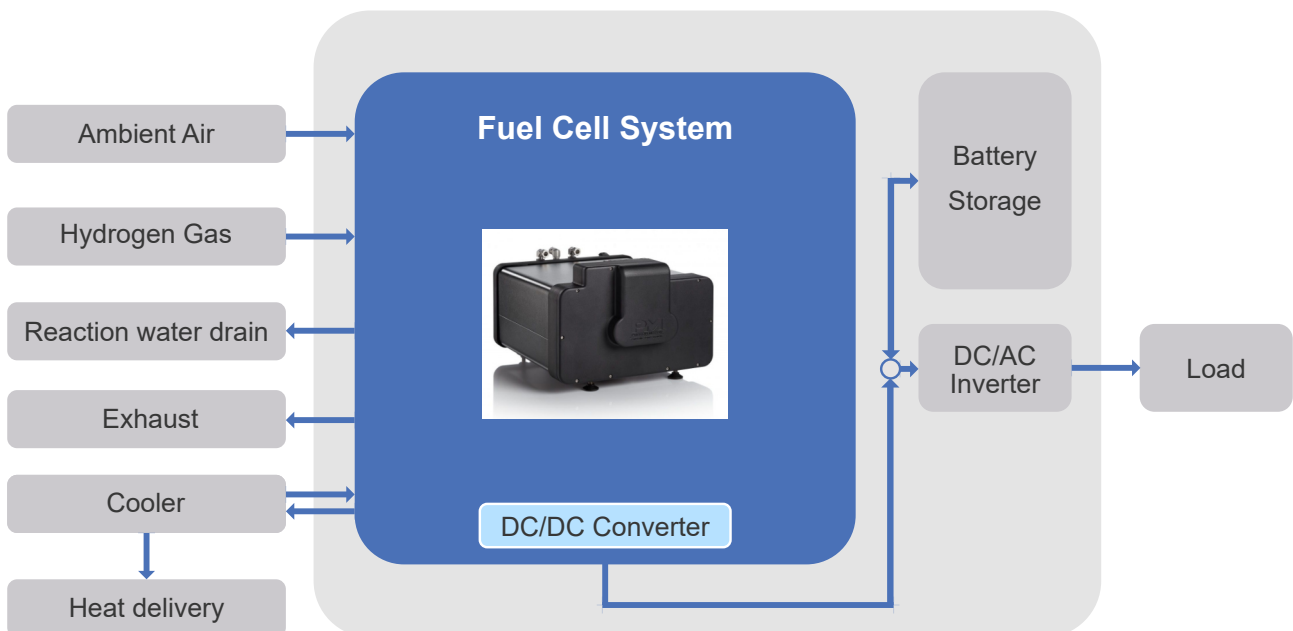


H₂ GPU

Turnkey Solution for Zero-Emission Ground Power

- Powered by a hydrogen fuel cell (PEMFC), producing clean water as the only by-product
- Integrated battery system for extended and increased power delivery on demand
- Installed battery systems buffers load fluctuations and power-peaks
- Mobile system enables easy transport and location-independent operation

Block Diagram of H₂ GPU



KEY FACTS

Nominal Fuel Cell Power*

70 kW

Battery Storage

157 kWh

Nominal Power

90 kVA

Output Voltage

400hz 3-phase 115/200V_{AC} (optional 28V_{DC})

Frequency

400hz +/- 0.1%

Output Heat

Up to 100 kW

Hydrogen Quality

ISO 14687:2019 (Type I, Grade D) / SAE J 2719

Hydrogen Supply Pressure

11-15 barg

Hydrogen Consumption

Max. 5.5 kg/h

Ambient Temperature

-20 to +40 °C

Humidity

< 95 % r.H. (non condensing)

Dimensions

LxBxH 3.5 x 2.7 x 1.7 m

* BoL, before DC/DC, w/o BoP

Specifications are subject to change without notice. Specifications and descriptions in this document were in effect at the time of publication. Arctic Power AS reserved the right to make changes at any time

Arctic Power AS

Sentrum 2

NO-3185 Skoppum

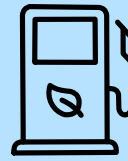
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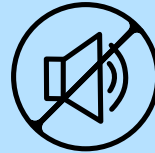
ADVANTAGES



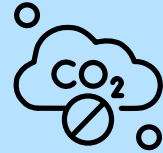
Quick and easy refueling



Water as the only by-product



Negligible noise



Zero harmful emissions



Unit deliveries

• Essential power

H₂ GPU can supply the power your aircraft requires with both 115/200V_{AC} and optional 28V_{DC}

• Heat

H₂ GPU can supply up to 100kW of heat to warm the aircraft cabin or to use for fanblade heating

• Lighting (Optional)

An optional lighting package offers light fixtures powered by the GPU that can light up the area around the aircraft

ARCTIC POWER