

READY IN 2026



Heavy Duty Fuel Cell Generator

For an emission-free future



The PemGen M is a stand-alone hydrogen fuel cell system emitting only water. Its powerdense design utilises heavy duty components, batteries, inverters and cooling system. The total provides robust and versatile operation. This innovative generator advances power, durability and efficiency for both sustainable on- and offgrid power generation, without harmful emissions.

Performance

Peak Power (BoL)	200 kVA
Nominal Power (MCR)	175 kVA
Minimum Power	0 kVA
Ramp Up Time	20 %/s
Start Up Time	<10 s
Voltage Output	400/440 VAC - 50/60Hz 800 VDC (Optional)

Environment

Air Supply	Ambient
Height (Altitude)	max 2000 m
Operating Temperature	-25 °C to 45 °C
Storage Temperature	-45 °C to 55 °C

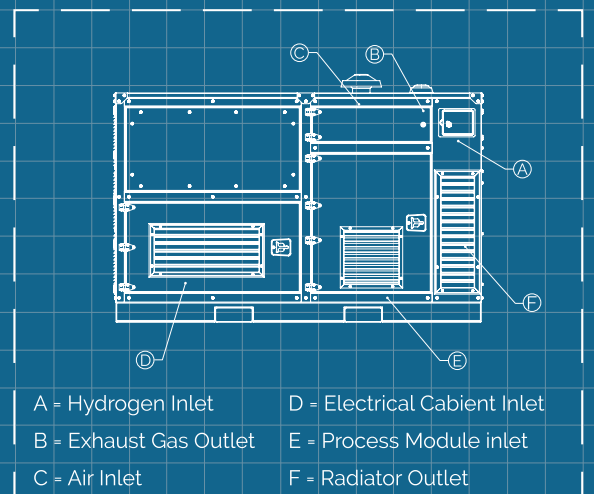
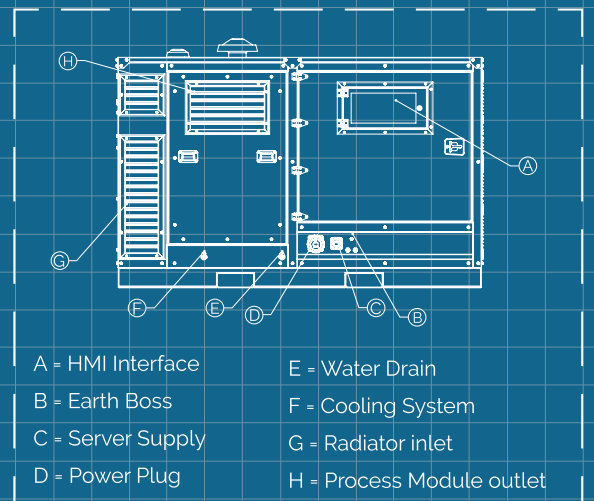
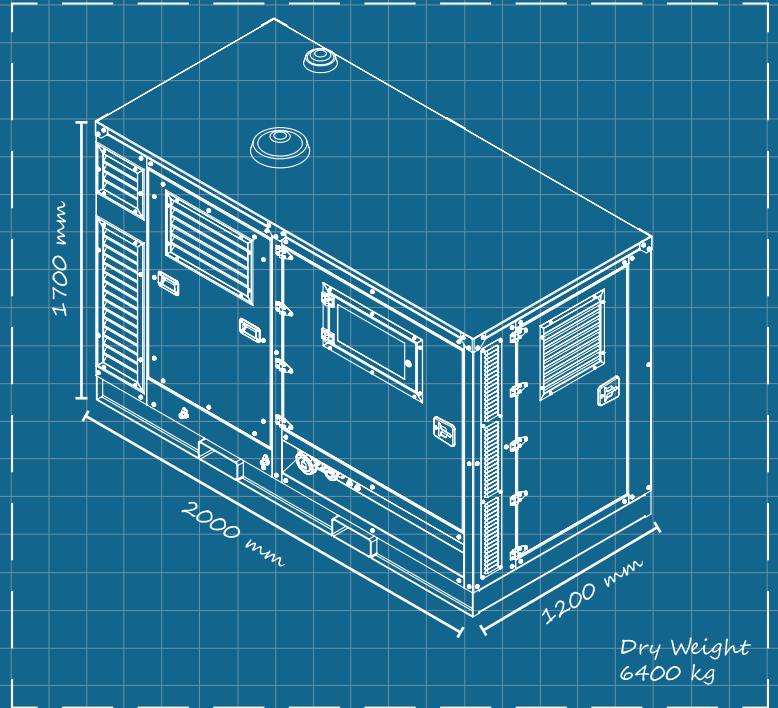
Efficiency and hydrogen consumption

Net Output	Power	Efficiency	H ² consumption
100% load	200 kW	50%	11.8 kg/h
75% load	150 kW	52%	8.6 kg/h
50% load	100 kW	53%	5.6 kg/h
25% load	50 kW	54%	2.8 kg/h

Inlet Pressure	> 4 barG
Hydrogen Standards ³	Type 1, Grade E, Category 3 (ISO 14687-2)

Compliance

Standards	IEC 62282-3
Maritime Approval	Bureau Veritas, RINA



1. Sustained idle operation may increase fuel cell maintenance intervals.
2. Contact Nedstack for other hydrogen purities

* All data are subject to change without prior notice