

Engine Advantages



Industry-leading efficiency
for low fuel consumption



Unprecedented power density
achieved through patented
technology



Single-stack engine design for
enhanced control management
and reliability

Nuvera® EN-125 Fuel Cell Engine

Product Specification

PERFORMANCE*

Net power output	125 kW
Peak efficiency	59%
Operating efficiency (80 kW)	>50%
Operating voltage	240 - 440 VDC
Maximum current	630 A

PHYSICAL

Dimensions	102 x 65 x 80 cm / 40 x 26 x 32 inches
Mass	285 kg
IP rating	IP 65

OPERATION

Ambient operating/starting temperature	-30°C to 50°C
Coolant	De-ionized water: fuel cell glycol mix
Oxidant	Air
Fuel quality	SAE J2719, ISO 14687-2
Air supply pressure	0.70 - 1.05 bara
Fuel supply pressure	12.5 - 15 bara
Input power for balance-of-plant	1.6 kW at 24 VDC, 23 kW at 600-800 VDC

EMISSIONS

Exhaust	Zero emissions (no PM, NOx, SOx, CO or CO ₂)
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STANDARDS

Regulatory conformance	2006/42/EC, 2014/30/EU, IEC 62282-2-100
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Fuel Efficiency



Reliability



Simplified Integration



Vocational Trucks



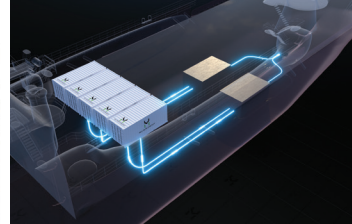
Specialty



Port Vehicles and Equipment

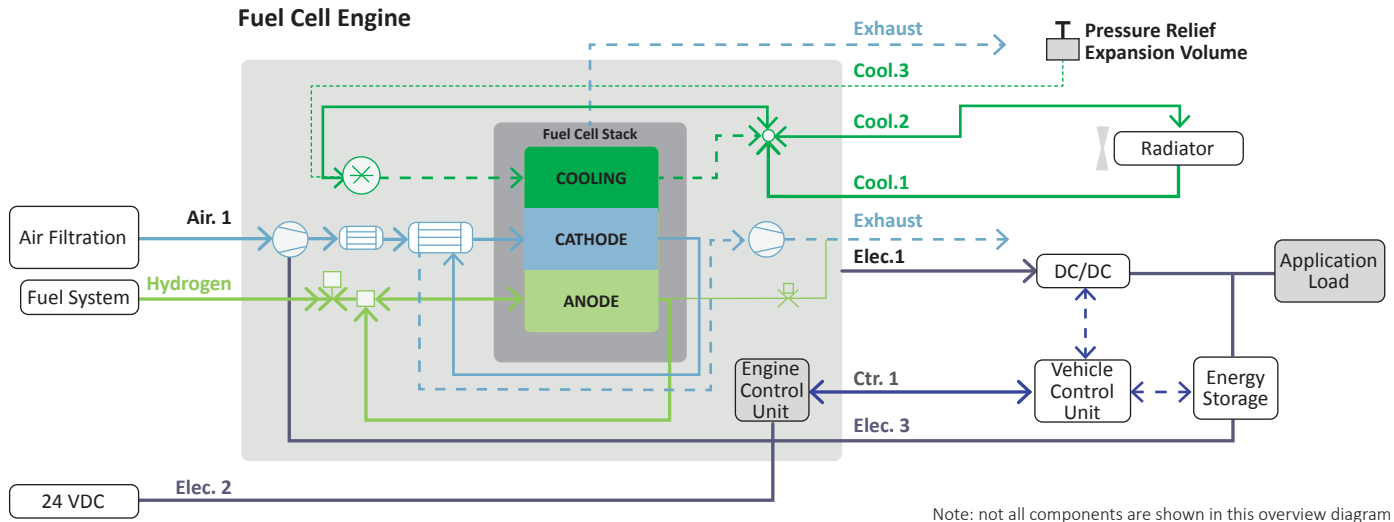


Stationary and Portable



Maritime

Fuel Cell Power System Overview



Fuel Cell Stack Evolution

Higher Power Density at Every Operating Efficiency

