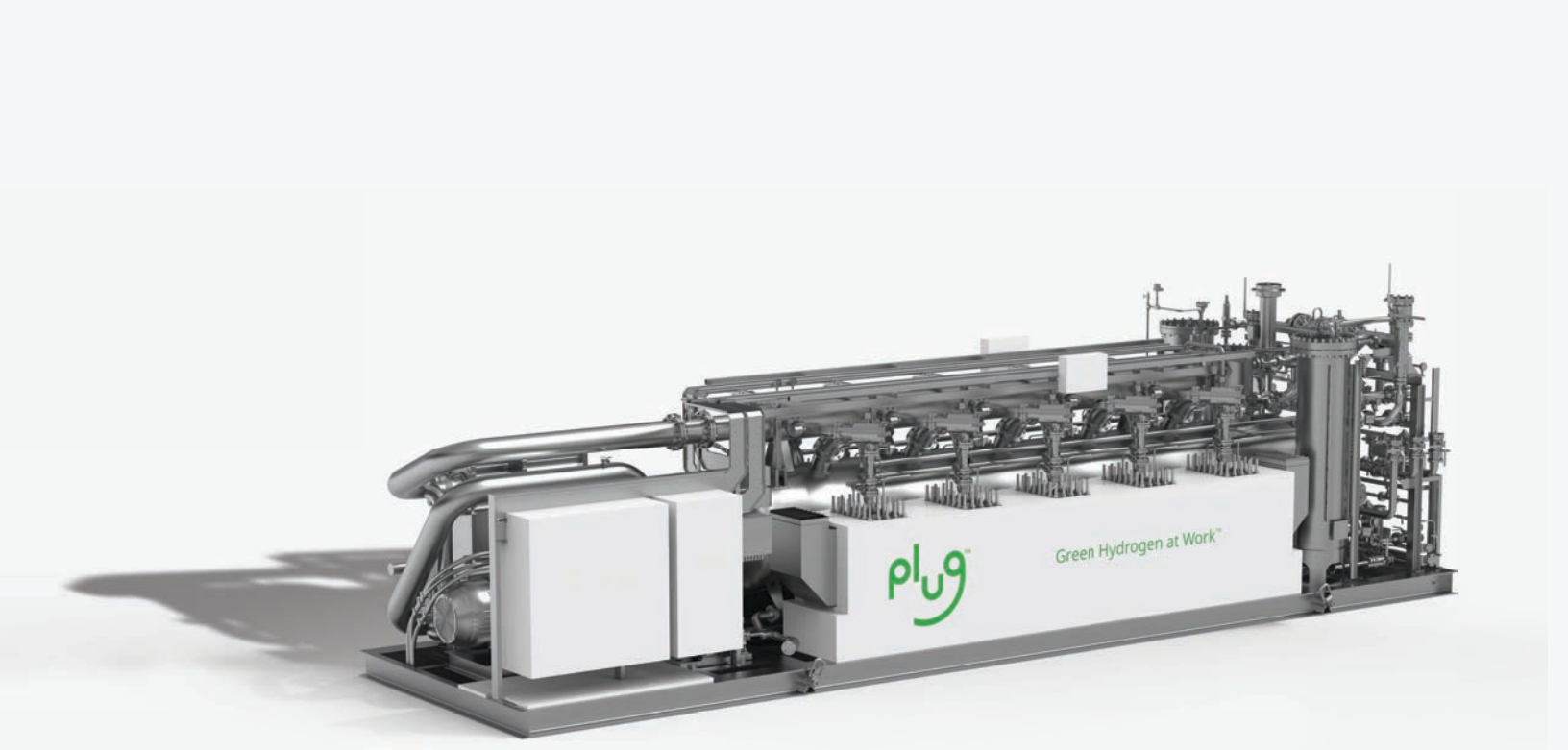
The Plug GenEco Electrolyzer

Best-in-class PEM electrolysis based on nearly 50 years of experience



Plug is the only company able to deliver on the entire hydrogen ecosystem.

Our portfolio includes products that produce, store, transport, dispense, and convert hydrogen to carbon-free electricity. Plug's electrolyzers utilize proton exchange membrane (PEM) technology with decades of field experience and a track record of high performance and reliability. The Plug GenEco Electrolyzer is the building block for high-volume hydrogen production solutions that can be custom-engineered and delivered to meet any demand.

Plug's electrolyzers are the safest, most efficient, and deliver the lowest total cost of ownership on the market today.

PEM electrolyzers generate hydrogen from water using electricity and a special membrane. No caustic chemical solutions required.

The Plug Gigafactory has the highest capacity in the industry (1GW), utilizing lean principals and cutting-edge technology.

The Plug GenEco Electrolyzer System Specifications

The Plug GenEco Electrolyzer provides up to 4,250 kg/day of high-quality on-site hydrogen.

Instant Load Following
Hydrogen production rate adjusts as electric capacity is available, making this a perfect product for use with grid or renewable energy resources.

Flexible
Operation range covers sub-MW to 10MW.

Scalable
Modular building blocks enable custom-sizing to meet any demand from megawatts to gigawatts.

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Input	
Stack Power Consumption	Up to 10MW
Voltage & Frequency	4.1 to 34.5kVAC 60HZ (USA) 11 to 33kVAC 50HZ (EU)
Water Consumption	13 liters per kg of H2 produced
Output (Hydrogen Gas)	
Volume	2,000 Nm^3 / hour
Mass	4,250 kg / day
Purity	Up to 99.999% (ready with additional H2 treatment package)
Pressure	40 barg / 580 psig (w/o compressor)
Operational	
Start Up Time	60 sec ramp up time
Average Stack Efficiency	49.9 kWh / kg
Load Following	1.66%/sec
Physical / Environment	
Installed Footprint	117.2m^2 / 1,280 ft^2
Ambient Temperature	-20°C to +40°C (wider temperature range optional)
Other	
Compliance / Certifications	ISO 22734, NFPA 2, CE