

READY IN 2026



Nedstack  
FUEL CELL TECHNOLOGY



# Containerized Fuel Cell Power Solutions

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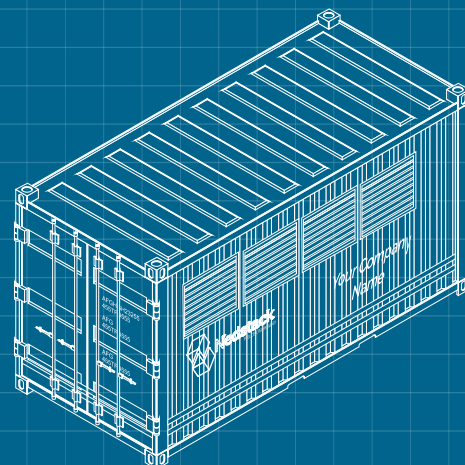
For an easy Zero Emission future



The PemGen Mobile XXL is a standalone, plug-and-play hydrogen fuel cell system in a 20ft container. With integrated batteries and built-in radiators, it ensures efficient cooling and seamless operation. Producing only water as a byproduct, it delivers reliable, emission-free power for flexible and sustainable energy solutions anywhere.

## Performance

Peak Power	1500 kW
Prime Power	900 kW
Nominal Power	700 kW
Ramp Up Time	20 %/s
Start Up Time	<10 s



## Efficiency and hydrogen consumption

Net Output		Beginning of Life		End of Life	
110% load	1000 kW	49.5%	60.0 kg/h	-	-
100% load	900 kW	50.3%	53.1 kg/h	43.9%	60.8 kg/h
80% load	700 kW	51.9%	40.0 kg/h	45.6%	45.5 kg/h
50% load	450 kW	53.7%	25.0 kg/h	47.5%	28.2 kg/h
25% load	225 kW	51.9%	12.4 kg/h	48.4%	13.8 kg/h
5% load	50 kW	48.0%	3.2 kg/h	48.0%	3.2 kg/h

Inlet pressure	$\geq 2$ bar
Hydrogen Standards <sup>1</sup>	Type I, Grade E, Category 3 (ISO 14687-2)

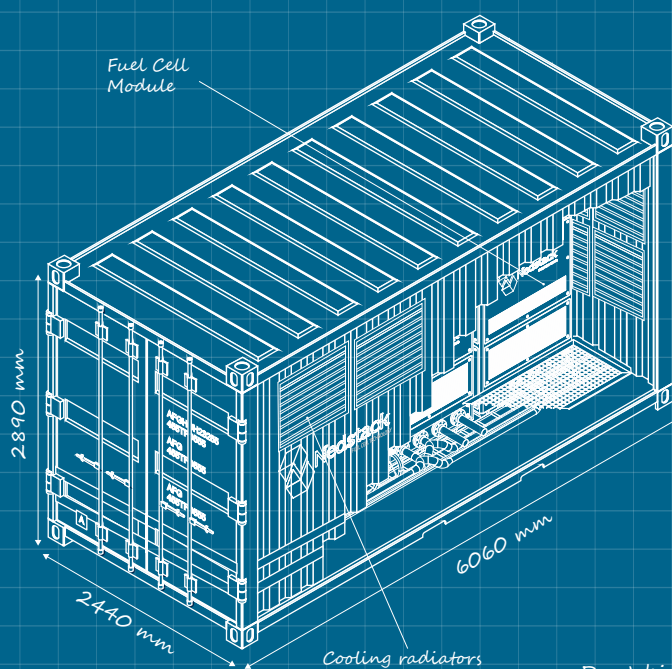
## Environment

Air Supply	Ambient
Height (Altitude)	max 2000 m
Water Production (100% load)	~300 kg/h
Operating Temperature	-25 °C to 45 °C <sup>1</sup>
Storage Temperature	-45 °C to 55 °C <sup>2</sup>

## Compliance

Standards	IEC-62282-3
	IEC-62993-2-5
	PGS37.1
	UL9540A
Maritime Approval	On Request

Containerized Fuel Cell System



Dry Weight:  
 $\pm 12.500$ kg