



Nedstack

PemGen CHP-FCP-100

Nedstack Fuel Cell Technology B.V.
Stationary Power Systems
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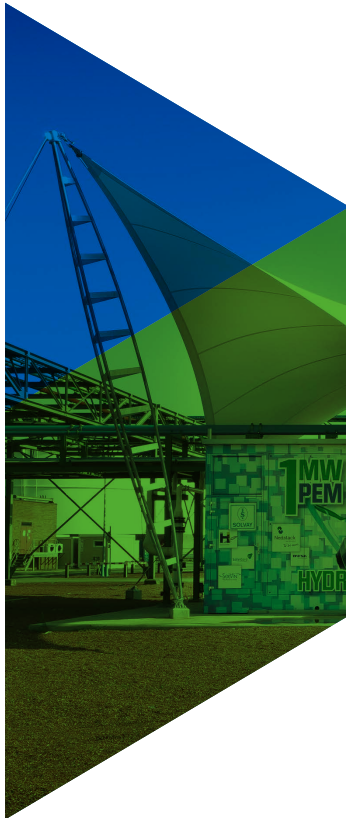




PemGen

CHP-FCP-100

The CHP-FCP-100 is a Combined Heat Power PEM Fuel Cell Plant intended for co-generation applications in the built environment. The CHP-FCP-100 is optimized for integration in fourth generation heat-grids and allows for seamless integration in electricity grids of all sorts by using commercial-off-the-shelf power electronics.



GENERAL	Fuel Cell Type	Low Temperature Proton Exchange Membrane (LT-PEM)
	Fuel Cell Model	12 x Nedstack FCS 13-XXL
CO-GENERATION OUTPUT	Max. Electric Power	125 kWe
	Nominal Electric Power	100 kWe
	Electric Output Type	Configure to order
	Heat Output Power	104 kW
	Heat Output Type	Heat exchanger interface @ 60-70°C
DIMENSIONS	Weight	1500 kg
	Built Level	IP 67 rated outdoor enclosure
	Length	2.0 m
	Width	1.0 m
	Height	2.0 m
HYDROGEN FEED	Quality	Grade ≥ 2.5 (CO < 0.2 ppm)
	Supply Pressure	0.3 – 6 barg
	Max. Consumption	9 kg/h
INTERNAL COOLANT	Coolant Type	DI water or BASF FC G20
ENVIRONMENTAL	Installation	Fit for outdoor installation
	Intended climate	Koppen class C: Mesothermal climates Other climatization packages available
APPLICATION	Intended Use	Residential blocks Commercial and insitutional facilities Chemical sites Ports
	Placement	To be placed on flat concrete surface
SAFETY	Compliance	IEC-62282-2 IEC-62282-3 2006/95/EC 2006/42/EC 2004/108/EC