



Nedstack

PEM FUEL CELLS

PemGen[®]

MPU-20-48-DC



Nedstack fuel cell technology B.V.
Mobile Power Units
www.Nedstack.com

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The PemGen MPU portfolio provides hydrogen fuel cell power solutions as a zero-emission alternative to diesel combustion gensets. The DC solutions within this portfolio are 'endurance-extendors' that operate in a combined set-up with battery energy storage systems to provide zero-emission power for long endurance applications.



GENERAL	Fuel Cell Type	Low Temperature Proton Exchange Membrane (LT-PEM)
	Fuel Cell Model	2 x 13.6 kWe Nedstack FCS 13-XXL
	Application	Battery Endurance Extention
ELECTRICAL	Max. System Power	17.5 kWe (at battery terminals)
	Output Voltage	46-58 V
	Max. Output Current	400 A
	Connector	SBE 320 / SBX 350 Connector
FUEL	Hydrogen Purity	99.97% H ₂ , according to ISO 14687, type 1, Grade D
	Max. Supply Pressure	1-10 bar(g)
	Connector	DESO Quick Connect
AIR	Air Quality	Ambient Air
COOLANT	Medium	DI water
	Method	Radiator-Fan Assembly (Integrated)
ENCLOSURE	Type	Chassis on Base Frame with Outdoor Canopy
	Weight	750 kg
	L x W x H	1.51m x 1.14m x 1.45m
	IP-rating	IP-55
CLIMATE	Placement	Outside or well-ventilated indoor areas complying to IEC-62282-3-300
	Operating Temperature	-5-45°C (de-rating above 40°C)
	Storage Temperature	0 – 55°C
APPLICATION	Altitude	2.000 m
	Intended use	Battery Endurance Extender
LIFESPAN	Balance of Plant	10 years
	Stack refurbishment	24k - 30k running hours
COMPLIANCY	Standards	IEC-62282-5 IEC-60529 IEC-60079-10 Applicable CE Directives