e-Nomad - Specification product*

Clean energy by H_2: Available wherever you need it!

Our product line up includes containerized solutions for hassle-free power generation in local or remote areas. 20 feet and 40 feet container solutions are available to closely match your power requirements. These solutions are scalable up to MW level scale.

For more information, please contact with
info@methanolreformer.es

STRONG POINTS:

- No harmful gas emissions **(No NOx, SOx, PMs)**
- **Grid independent**
- High purity **(>99.97 %)** H_2 production
- Low CO_2 emissions (-28% vs diesel) and **carbon neutral** with green methanol
- **Low CAPEX / OPEX**
- **Scalable** for expanded H_2 deployments
- **Plug&Play**

- **24/7** Run Times; no operator needed
- Limited Power Requirements (2kW)
- Reduced Noise and Pollution
- **Low** level of maintenance
- Fast implementation
- Able to use **existing fuel deposits**

CROSS-SECTORIAL APPLICATIONS:

- Mining / Construction
- Service stations
- Ports / Airports
- Industrial

- Data center
- Warehouse / Logistics
- On-board
- Off-grid

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e-Nomad - Product Specifications*

Models		e-Nomad
Certification		CE & ATEX certified
Performance	Power Output (BoL) Frequency Voltage Electrical Efficiency	140kW 50 Hz 400 VAC (3P+N+PE) 39.2%
Electricity Consumption Including control & safety devices	Power Consumption	0 kW
Fuel Methanol Fuel Spec Methanol Fuel Ratio	IMPCA Methanol 62.5+/- 0.5 wt% with balance DI water	132 L/h, 2.2 L/min
Hydrogen Quality	H_2	>99.97 %
Physical Characteristics	Format Dimensions (LxWxH) Weight	20 ft container 6.10 x 2.44 x 2.59 m ≈ 16.000 kg
Control and Communication		Siemens, Ethernet
Exhaust Pollutants**	CO NOx SOx	<300ppm 0 ppm 0 ppm
CO_2 emissions		103 kg/h - 0.73 kg/kW
Refurbish		≈ 20,000 h
Ambient conditions		5 °C to 45 °C
Startup time	From Ambient Temperature	12 hrs. depending on system power conditions & ambient temp.
	From Hot Standby	<5 min to H_2 production; <30 min to rated H_2 production

*Specifications subject to change

** CO_2 not included

Once the battery pack is fully loaded after first start the e-Nomad is energetically autonomous by feeding the reformer, Fuel Cell and Power Electronics through the battery.

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