

e-Nomad - Specification product*

Clean energy by H₂: 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 (>**99.9919 %**) H₂ production
- ⚡ Low CO₂ emissions (-28% vs diesel) and **carbon neutral** with green methanol
- ⚡ **Low CAPEX / OPEX**
- ⚡ **Scalable** for expanded H₂ 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

Website: www.methanolreformer.com

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Global Headquarters: World Trade Center. Moll de Barcelona s/n Edificio Este Planta 5

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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
Pollutants	CO NOx SOx	<300ppm 0 ppm 0 ppm
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*

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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