

Methanol Fuel Cell Generator

Reliable, Extended Run Back-Up Power Solution with Low Lifecycle and Operating Cost



Outdoor option

Key Features:

- Fuel Cell PEM + Reformer System
- Methanol/Water Fuel
- Flexible Fuel Tank (up to 38 hrs autonomy @ 5kW for 208 L tank)
- Easy-to-replace Filters
- Light, compact and customizable

Key Benefits:

- Modular, Scalable Design
- High Efficiency (Fuel Consumption < 1.2 L/kWh)
- Low Standby Power Requirements
- Stack life time 10,000 hrs*
- Reformer life time >5,000 hrs

Applications

- Back-Up Power
- Diesel generator/large battery replacement
- Critical network nodes (BSC, BTS, MW, SDH Sites)
- Telecom exchanges

Product Specifications

Performance:	Maximum Power	5 kW
	Voltage Output	48 VDC (Regulated setpoint configurable between 42 VDC and 58 VDC)
	Ambient Temperature	2 to 40°C
Design:	Fuel Cell	PEM Fuel Cell with Methanol Reformer
	Cooling Method	Water
	Bridging Energy	VRLA Batteries
	Form Factor	Outdoor or Indoor cabinets x2
Fuel:	Type	62.5 wt% methanol / 37.5 wt% DI water
	Fuel Consumption	1.2 L/kWh @ 90% load
Physical Characteristics:	Dimensions (WxDxH) Reformer Subsystem	660 x 1230 x 1710 mm
	Fuel Cell Subsystem	600 x 1080 x 1450 mm
	Weight Reformer Subsystem	250 kg
	Fuel Cell Subsystem	270 kg

* Long life option available



Indoor option

Hydrogenics Corporation

tel: +6016.217.0877
akneisz@hydrogenics.com

We're Ready.
www.hydrogenics.com