


Reliable · Ultra-quiet · Low emissions



ME²POWER

FUEL CELL SYSTEMS



Extended Run Backup Power Fuel Cell System for Telecom

- Wireless Base Transceiver Stations
- Secure Communications Networks (TETRA)
- Landline Remote Terminals
- Telecom Data Centers
- Broadband

SUPERIORITY

- Fuel cell systems that utilizes clean energy fuel sources are safe, reliable, and have become highly sought after by global telecommunications industry for backup power systems.
- Fuel cell backup power system includes a fuel reformer which converts liquid methanol fuel into hydrogen gas and feeds to the fuel cell system, thus avoiding the inconvenience of hydrogen transportation and storage.
- Fully automated operation, effortless maintenance, long lasting operation, and capable of providing several days of emergency power during power grid failure.
- Significantly reduces carbon dioxide emissions and long-term operating costs.

SPECIFICATIONS

Description	Specifications
Power Rating	2.5 kW or 5 kW
Nominal Voltage	24 Vdc or 48 Vdc
Voltage Adjustable	23 to 28 Vdc or 46 to 56 Vdc
Size (W x D x H)	1.35 x 1.15 x 1.76 m
Enclosure Material	Aluminum
IP Class	IP 45/55
Weight (Not including fuel)	295 kg
Fuel Specification	methanol-water fuel
Fuel Tank	225 L (59 gal)
Ambient Temperature	-5°C to +46°C (23°F to 115°F) Standard -40°C to +46°C (-40°F to 115°F) Cold Weather
Location	Outdoor Rated
Communications	SNMP v2c, Dry Contacts, & Optional Wireless Remote Monitoring
Certifications	CE, ANSI/CSA FC-1, Telcordia GR-63-CORE Seismic Zone 4
Run Time (Standard 225L tank)	100 Hours @ 2 kW Power Output, 40 Hours @ 5 kW Power Output
Noise Index	<65 db @ 1 m



CHEM GROUP

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