

RP-50-M

Remote Area Power System

Fuel efficient
Rugged
Maintenance free



Autonomous, silent, and with low emissions.

Solid Acid Fuel Cell systems are perfect for power in remote locations.

Fuel efficient

Up to 10x higher efficiency than thermoelectric generators and 5x more efficient than internal combustion engine generators. Higher fuel efficiency can save thousands in fuel costs per year.

Rugged

Based on a military specified design, SAFCeLL's RP-50-M can be quickly transported and deployed wherever necessary, under rough oil & natural gas field conditions. The RP-50-M can operate in below freezing environments without the need for expensive buildings or heated equipment enclosures.

Fuel flexible

Operates on existing industrial grade methanol from chemical injection tanks, resulting in negligible additional fuel and fuel delivery costs. This saves thousands of dollars per year compared to other power systems requiring a dedicated fuel supply.

Applications

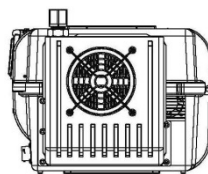
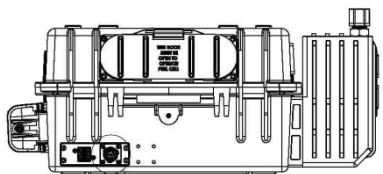
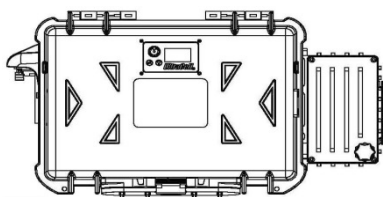
- Powering chemical injection control equipment at remote oil & gas wells
- Remote power for monitoring & automation



RP-50-M

Technical specifications

		RP-50-M	
Fuel		Methanol	
Continuous max power		0 to 50 W	
Output voltage		12 to 24 VDC	
Target system efficiency		30 %	
Fuel consumption		40 grams/hr	50 ml/hr
Operating modes		On/Off/Sleep	
Operating environment		Indoors & outdoors	
Target start-up time		30 min	
Min start-up temperature		-40 °F	-40 °C
Ambient temperature		-40 to +122 °F	-40 to +50 °C
Weight		25.8 lb.	11.7 kg
Dimensions	L:	19.1"	486 mm
	W:	10.5"	267 mm
	H:	8.5"	216 mm



Connections

Fuel: Colder Products - 1/16" quick connect hose coupling

Electrical: Souriau - 8 pin industrial circular waterproof & dustproof connector

Other connection interfaces on request

Notes:

Preliminary specifications only – technical data may be subject to change.

Outdoor installation may require protection from direct sun or rain.

About SAFCell

SAFCell develops solid acid fuel cell stacks for applications requiring tens of watts to tens of kilowatts. Formed in 2009, SAFCell is now developing clean, efficient power solutions for military & commercial applications.

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