

# DMFC Generator 500 W

- Off-grid, low noise battery power extender for stationary or mobile applications.
- Reduces battery bank size.
- Extends runtime.
- Optimizes battery life time.
- Quick startup time.
- Self protection mode against low temperatures.
- Fully charges batteries.
- Low maintenance.
- Service network throughout authorized partners.
- Remote monitoring via the Internet.
- Secured world-wide methanol distribution.
- Non-polluting generator substitution.



<u>Characteristics</u>	<u>Unit</u>	<u>Value</u>	<u>Remarks</u>
Nominal electric power output	[W]	500	Rated continuous power 24V to 48V Battery bus
Nominal DC Voltage	[V]	24/48	
Fuel consumption	[l/hour]	0.5	50-100% Methanol
Fuel			
DC power supply range	[V]	20 -58	DC Power supply for DMFC generator
Ambient temperature @ operation	[°C]	-10 to +40	
Ambient temperature @ storage	[°C]	0 to +45	
Ambient humidification	RH%	0 – 90	
Maximum Tilt	[ ° ]	15°	
Noise	[dB(A)]	55 typical, 63 peak	Measured 1m away
Communication Interface		Ethernet	HTTP
Heat power output	[W]	1200	@ nominal power output
Weight	[kg]	44	
Dimensions	[mm]	600 x 381 x 482	L x W x H
Start/stop cycles	cycles	10000	
Lifetime	[h]	3000	

## Options

Colors	RAL/Munsell	Standard is black
Communication Interface	CAN-bus / RS232.	MODBUS/RTU supported
External cooling interface		
Optional duct for directed flow of heated air		

External requirements: Methanol fuel tank and 24-48V battery bus.  
IRD can provide support for special applications.

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