



**THE ENERGY LANDSCAPE IS CHANGING
FAST. GET YOURSELF SOME TRACTION.**

Freedom from the grid at a significantly lower operating cost makes GenSys® the power generation solution that can open new doors for your business. It's what to demand when you need energy on your terms.

Designed to meet the unique challenges of remote prime power, low-temperature GenSys fuel cells offer a cost effective, low maintenance alternative to traditional internal combustion systems. Unlike expensive and maintenance-dependent permanent utility extensions, GenSys provides power where the grid is unreliable or non-existent.

E-mail us at
gensys@plugpower.com or visit
www.plugpower.com to learn more.

**FUEL CELL PRODUCTS
FOR REMOTE PRIME POWER**



ALL-THE-TIME POWER. OFF-THE-GRID POWER.



Low Maintenance: GenSys® requires fewer preventive maintenance calls per year than traditional combustion technologies, lowering your operating costs.

Ease and Flexibility of Siting: GenSys provides the freedom to choose your location for optimal user benefits.

Rugged Reliability: GenSys systems are designed to stringent FC1 standards for robust design, construction, operation and quality.

Ultra-low Emissions: Fueled by liquid petroleum gas (LPG), GenSys fuel cell systems produce power without combustion. The fuel cell stack produces virtually no emissions, creating only heat and clean water as by-products.

Ultra-quiet Operation: GenSys operates with low audible noise (<65dBA at 3 m) in comparison to combustion systems, which typically operate at >75dBA at 3 m, more than 10 times louder.



PLUG POWER INC.
 HEADQUARTERS
 968 Albany Shaker Road
 Latham, New York 12110
 Phone: 518.782.7700
 Fax: 518.640.9827

www.plugpower.com

PRODUCT CHARACTERISTICS		6U48
Performance:	Maximum Continuous Output ¹	6 kW
	Minimum Continuous Output	1 kW
	Nominal Operating Range – Voltage ²	46 VDC to 60 VDC
	Nominal Operating Range – Current	18.3 to 110 Amps
Fuel:	Liquid Petroleum Gas (LPG)	GPD HD-5 IS 4576: 1999
	Fuel Supply Pressure	0.69 bar (10 PSI)
	Fuel Consumption (Beginning of life)	0.46 kg/hr @ 1 kW 1.09 kg/hr @ 3 kW 2.21 kg/hr @ 6 kW
Operation:	Ambient Temperature	0°C to 50°C (option to -20°C)
	Relative Humidity	5% to 95% non-condensing
	Altitude	0 m to 2,000 m (6,562 ft)
Physical:	Dimensions	120 cm L x 90 cm W x 180 cm H (47"L x 35"W x 71"H)
	Weight	550 kg (1212 lbs)
Emissions:	CO	<50 ppm
	NO _x	<5 ppm
	SO _x	<1 ppm
	CO ₂	<700 g/kW-hr
	Audible Noise	65 dBA @ 3 m (nominal)
Control:	Remote Monitoring	Microprocessor with on-board diagnostics
	Communications	RS-232
		Wireless Modem (Option)
		Digital form "C" alarm outputs

1. Rating applies for altitudes up to 300 m (984 ft). Power will decrease above this altitude.
2. Output voltage is adjustable from 46 VDC to 56 VDC.

Commercial product specifications are subject to change without notice.