

GENSURE™

GENSURE HP FUEL CELL GENERATORS Zero-Emission Power for Large-Scale Applications

Plug Power's GenSure HP zero-emissions hydrogen fuel cell: efficient, environmentally-responsible energy. Designed for large-scale power applications using our 125kW ProGen fuel cell engine, our GenSure products enable growth and capacity expansion in all regulatory environments with a solution that is more rapidly deployable and has reduced maintenance and higher reliability than a combustion generator. The GenSure HP fuel cell is fueled by hydrogen to provide extended emission-free runtime for critical equipment. Turnkey packages include power, fuel, installation/permitting, and aftermarket service, taking complexity out of the equation and enabling a seamless transition to hydrogen fuel cell-based power.

Proven. Rugged. Reliable. Clean. Plug Power has installed several thousand GenSure fuel cells of various sizes at customer sites around the United States in 36 other countries. Material handling professionals have deployed more than 30,000 GenDrive fuel cells in their operations. Our customers have completed over 38 million hydrogen fills - using more than 40 tons of hydrogen each day. Plug Power products are field-proven through snow and icestorms, hurricanes and other severe weather events. Because the only emissions are warm air and a small amount of water, GenSure fuel cell products are exempt from the most stringent air quality standards and are a valuable component of corporate sustainability efforts. Plug Power makes it easy to replace your high power combustion generators with clean, reliable fuel cell power.



Powering Your Possibilities.

HIGHLY RELIABLE

Plug Power's GenSure fuel cell systems perform in hot and cold, humid and arid environments. With minimal moving parts and optional built-in redundancy, these fuel cells are proven to perform reliably in real world conditions.

ZERO-EMISSION / QUIET OPERATION

GenSure fuel cell systems offer zero-emission, quiet operation and are not subject to fuel spill containment and air quality reporting requirements. Our products support load peak shaving and demand response programs without impacting emissions and operating hour limitations.

MINIMAL MAINTENANCE

Fuel cell health and fuel levels may be remotely monitored. Simple maintenance and fewer site visits mean significantly lower operational costs when compared to combustion generators. Infinite hydrogen storage life eliminates expensive fuel polishing requirements associated with combustion generators



LOW ACOUSTIC SIGNATURE

Quiet operation enables GenSure fuel cell solutions to be located anywhere power is required, even in acoustically-sensitive locations.

CONFIGURATION	250KW	500KW	1.0MW
OUTPUT			
MINIMUM ELECTRICAL OUTPUT POWER (CONT)	60kW		
MAXIMUM ELECTRICAL OUTPUT POWER (CONT)	250kW	500kW	1.0MW
DUTY CYCLE	Stand-by, Prime		
ELECTRICAL EFFICIENCY (PEAK)	>45%		
SYSTEM OUTPUT VOLTAGE	480VAC, 3P, 50/60HZ		
PHYSICAL			
DIMENSIONS	20' ISO Container	30' ISO Container	40' ISO Container
PROTECTION	NEMA 3R Outdoor rated enclosure		
OPERATIONAL			
AMBIENT TEMPERATURE	-30°C* to 50°C*		
DESIGN LIFE	15 years		
NOISE	<65dBA at 150'		
EMISSIONS	Zero Emissions		
FUEL			
FUEL (FULL SPEC AVAILABLE ON REQUEST)	99.995% Hydrogen		
ENERGY STORAGE	Low pressure & high pressure gaseous, liquid options available		

* Cold weather package required to achieve -30°C; hot weather package required to achieve 50°C

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Specifications subject to change without notice. Information based on standard products working under normal operating conditions.

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