

GENSURE™

GENSURE E-1100 FUEL CELL Power for Critical Stationary Applications

Plug Power's GenSure E-1100™ hydrogen fuel cell - efficient, compact, environmentally-responsible energy. Designed for backup power applications within the telecommunications, utility, transportation and government sectors, Plug Power's E-1100 fuel cell system delivers robust reliability, providing extended runtime for critical stationary applications. Unlike traditional generator technologies, which can be unpredictable and maintenance-heavy, GenSure systems deliver reliable, simple-to-maintain power over the widest range of operating environments. Multiple systems may be combined for higher power applications.

Proven. Rugged. Reliable. Clean. Plug Power has installed more than 3,800 GenSure fuel cells at customer sites across the United States and 36 other countries. With more than 100 million installed hours of site power protection, GenSure products are field-proven through snow and ice storms, hurricanes and other severe weather events. Because the only emissions are warm air and a small amount of water, the E-1100 is exempt from the most stringent air quality standards and is a valuable component of corporate sustainability efforts.



Powering Your Possibilities.

SCALABLE FOR HIGHER CAPACITY APPLICATIONS

GenSure E-1100 fuel cells may be used solo for power requirements under 1,100W or in multiples for larger power requirements. Flexible outdoor cabinet options allow you to purchase the amount of power you need now and upgrade if requirements change in the future.

FLEXIBLE INSTALLATION OPTIONS

Indoors or outdoors. Ground-level, platform or rooftop. Multi-bus or multi-voltage. Flexible product configurations make the complexities of your power requirements simple.

ENVIRONMENTALLY-HARDENED

Power solutions need to perform wherever your equipment is located. Plug Power's GenSure fuel cells perform in hot and cold, humid and arid environments. Certification testing has confirmed their capabilities in wind-driven rain, brush fire and earthquake conditions. Most importantly, these fuel cells perform reliably in real world conditions.



COST-EFFECTIVE

Required fuel cell maintenance is limited to an annual air filter exchange. Fuel cell health and fuel levels may be remotely monitored. Simple maintenance and fewer site visits mean up to 84% lower operational costs when compared to combustion generators. Clean, zero-emissions operation means not having to address fuel spill containment and air quality reporting requirements.

PRODUCT SPECIFICATIONS

PHYSICAL	DIMENSIONS (W X D X H)	17.25" x 24" x 7" / 43.8cm x 61cm x 18cm
	WEIGHT	58 lbs / 26.4 kg
	MOUNTING	19" or 23" rack mount
PERFORMANCE	RATED POWER	1,100W (46A @ 24V / 23A @ 48V)
	DC VOLTAGE	24 / 48V nominal
OPERATION	AMBIENT TEMP	23°F to 122°F / -5°C to 50°C (Optional -40°F to 122°F / -40°C to 50°C in hardened outdoor cabinet)
	RELATIVE HUMIDITY	0-95% non-condensing
	ALTITUDE	-197 ft to 13,800 ft / -60m to 4,206m
	LOCATION	Indoors or hardened outdoor cabinet
EMISSIONS	WATER	Max 25mL / kWh (primarily vapor)
	NOISE	51.6dBA @ 23ft (7m) / 65dBA @ 4.9ft (1.5m)
MONITORING/CONTROL	REMOTE	System configuration & status / Historical & operational data
	COMMUNICATIONS	Standard: USB / Dry contact / Ethernet / SNMP / Web interface Optional: Wireless modem - CDMA / GSM / Ethernet switch
FUEL: STANDARD INDUSTRIAL-GRADE HYDROGEN (99.95%)		
	SUPPLY PRESSURE TO UNIT	8 to 12 psig / 55.1 to 82.8 KPag / 0.55 bar to 0.83 bar
	CONSUMPTION	14 slpm @ 1,100W
	H₂ STORAGE CAPACITY	n/a (multiple fueling solutions available separately)

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

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