KOHLER®

Hydrogen Fuel Cell Systems

The modular and scalable KOHLER® hydrogen fuel cell system allows mission-critical power users to rapidly deploy a sustainable energy solution that produces zero emissions at the point of use. Depending on the application, the system can be used as a prime or backup power source or as part of a distributed energy network.

Reliable power *on-demand* with zero emissions

We designed our hydrogen fuel cell power system for widespread component interoperability.

- Kohler provides one-source responsibility for the generating system and accessories.
- Low-maintenance operation and reduced through-life costs.
- Flexible and scalable to suit a broad range of applications.
- Provides zero-emission power to decarbonize your energy needs.

Hydrogen for Resiliency

Proven technology

The solution features a Solid Polymer Electrolyte Membrane (PEM) fuel cell for high-efficiency energy conversion.

Built to last

Compact, durable steel housing featuring lockable access doors and a textured paint finish for corrosion and abrasion protection.

Flexible operations

It can operate in a range of temperatures, from -30 to 45C, and has a low-maintenance 20-year design life.

Easy to use

Fully integrated controls, including externally mounted emergency stop switch, electronic trip main line circuit breaker and remote start/stop.

Meets stringent standards

Can be configured to meet the National Fire Protection Association's NFPA110 standard for emergency and standby power systems.

Single-source solution

The hydrogen fuel cell power system is prototype-tested and factory-built within Kohler facilities.

Multi-purpose applications

Can be used for prime power, peak shaving and emergency power with the option to export excess energy to the grid through a net metering program.

Supports net-zero ambitions

When hydrogen comes from a renewable source such as solar, the system produces zero emissions across its lifecycle, offering a sustainable solution.

Ready for your *sustainability journey?*

- From 100kW to multiple MWs of power output, Kohler can customize our systems to meet your specific needs.
- The hydrogen fuel cell system is suitable for a broad range of mission-critical power users, including hospitals, data centers and water treatment plants – or in any application requiring sustainable and resilient prime or backup power.
- Kohler will leverage its existing global manufacturing and distribution partners to provide complete end-to-end customer support.

FUEL CELL SPECIFICATIONS	SOLID POLYMER ELECTROLYTE MEMBRANE
POWER SYSTEM RATING *	480V, 3P, 50/60 HZ
AMBIENT TEMPERATURE	-30 TO 45 (-22 TO 113) C (F)
FUEL SUPPLY PRESSURE	0.71-1.6 (103-232) MPA (PSI)
FUEL SUPPLY TEMPERATURE	-30-95 (-22-203) C (F)
FUEL TYPE	99.97% HYDROGEN
FUEL CONSUMPTION	65 KG/MWH AT 100% LOAD
WATER PRODUCTION	460 LITERS/MWH AT 100% LOAD

* *Contact us for custom voltage or DC-only configurations*

KOHLER

Contact us zeroemissions@kohler.com

WWW.KOHLERENERGY.COM/POWERSYSTEMS/EN/HYDROGEN-FUEL-CELLS