

CommScope Partners with Hydrogenics to Provide Indoor Backup Power Solution for Data Centers

Riding the momentum from the successful launch of the [outdoor hydrogen fuel cell backup power solution](#), [CommScope](#) turns its focus indoors and now offers an innovative, compact indoor solution providing reliable backup power for enterprise data centers in North America.

Believed to be the first-of-its-kind, this scalable indoor fuel cell solution can provide up to 30 kilowatts (kW) of reliable, environmentally-friendly backup power to enterprise computing systems. This is enabled through an existing partnership with [Hydrogenics Corporation](#), a worldwide leader in designing, manufacturing, building and installing industrial and commercial hydrogen systems around the world.

“Power loss can affect lines of businesses and impact the ability to maintain service level performance with customers,” said George Brooks, senior vice president, Enterprise Product and Market Management, CommScope. “This indoor solution provides an efficient level of reliable backup power as an alternative to traditional generators or large battery racks that can take up lots of space in the data center.”

Multiple power racks can be installed to scale in 30kW increments and sustain a variable runtime from hours to days, based on customer requirements and hydrogen tank options. With the width of a standard server cabinet and the height of only six-and-a-half feet, the cabinet can easily fit at the end of a data center row without taking up a large amount of valuable real estate.

“Space within most data centers is at a premium and this backup power solution takes up the least amount compared to a battery rack or other backup power solutions,” said Daryl Wilson, chief executive officer, Hydrogenics. “Operating expense is another growing concern for data centers and, depending on the configuration, the indoor hydrogen fuel cell solution can be a lower cost solution than traditional power solutions after just two or three years.”

When paired with an appropriate uninterruptable power supply, the scalable indoor fuel cell rack can be configured for 10, 20 or 30kW of sustained alternating current power. The fuel cell solution is quiet, emits no greenhouse gases and can be deployed indoors with the hydrogen fuel tank sited outside the building. These racks are an ecological alternative to battery racks and generators.

The fuel cell solution converts chemical energy directly into electrical energy without any combustion. The system provides highly efficient, reliable and uninterrupted backup power to data center and business systems without the need for costly regular maintenance. The only by-products are heat and a small amount of water.

CommScope will offer the indoor and outdoor hydrogen fuel cell backup power solution through its extensive [PartnerPRO™ Network](#), which can assist customers with site planning, installation, commissioning and on-going maintenance of the backup power solution.

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