Hydrogenics HyPM-XR Power Modules are designed and engineered to deliver superior performance, durability and reliability.

Hydrogenics is the world leader in developing and implementing hydrogen solutions. With over 60 years of experience, our integrated approach to both hydrogen generation and fuel cell systems enables us to provide flexible and customized solutions — solutions that offer your business advantages in performance, cost and ease of integration.

Our HyPM-XR Power Modules are engineered and integrated to deliver superior performance, durability and reliability. HyPM-XR offers a compact design, reduced parts-count and easy-to-use electrical and mechanical interfaces. Our fuel cells use a closed cathode liquid cooled architecture, which helps to prevent impurities from entering and degrading the fuel cell stack; in environments with dust and pollution, this is a distinct advantage as our fuel cell stacks are rated for industry leading run-time of over 10,000 hours.

With HyPM-XR’s 99.95% reliability rate, you can be assured that your network equipment will have uninterrupted power during utility power failures. In addition, when compared to batteries and diesel generators, HyPM-XR fuel cells have no static, resulting in lower operational and ownership costs.

Hydrogenics’ HyPM-XR systems have been deployed in all environments around the world in applications ranging from financial and government institutions, to internet service providers and off-grid communities. Our power modules offer distinct advantages in deployment and ensure a positive Total Cost of Ownership when compared to competing solutions such as diesel generators, battery banks and other suppliers.
Addressing the Hydrogen Supply Chain:

Telecom companies are increasingly choosing fuel cell backup solutions to lower their environmental impact, improve network reliability, and reduce operating costs. As a leading manufacturer of electrolysers and fuel cells, Hydrogenics is uniquely positioned to meet a wide range of backup application requirements. We work closely with system integrators to design and manufacture backup power solutions. We have supported our customers “Self Recharging Systems”, using solar for off-grid applications. We have also worked with “Methanol Reformer” suppliers to produce onsite hydrogen at remote locations where hydrogen gas may be difficult to source and transport. Our compact footprint solutions offer seamless and reliable zero-emission backup power over extended run-times.

At Hydrogenics we consistently deliver value for the customers we work with. We are driven to understand what is most important to your business and to create hydrogen solutions that are superior to any conventional application. Our flexible power module platform allows us to customize applications based on your needs at a cost that is economically feasible for everyone.

HyPM-XR Features:

• System flexibility/modularity for incremental 3kw, 5kw, 8kw and 10kw, including available AC systems in 10kw, 20kw and 30kw building blocks
• Fuelling with either Cylinders, Methanol Reformer or Electrolyzer, allowing for an easy hydrogen supply chain
• Integrated System Controller provides constant system monitoring and system status to a central office
• Our patented liquid cooled system offers 10,000+ hour stack lifetime with unlimited stop and start cycles, resulting in the lowest lifecycle costs
• Emission-free, cost-effective and reliable backup solution

Hydrogenics Corporation
220 Admiral Boulevard
Mississauga, Ontario
Canada L5T 2N6
Phone: 905.361.3660
Fax: 905.361.3626
powersales@hydrogenics.com

Hydrogenics GmbH
Power Systems
Am Wiesenbusch 2, Halle 5
45966 Gladbeck, Germany
Phone: +49.2043.944.133
Fax: +49.2043.944.146

Hydrogenics USA
Power Systems
12707 High Bluff Dr., Suite 200
San Diego, CA 92130 USA
tel: +1.858.794.1473
fax: +1.905.361.3626
hydrogensales@hydrogenics.com

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We’re ready.
www.hydrogenics.com