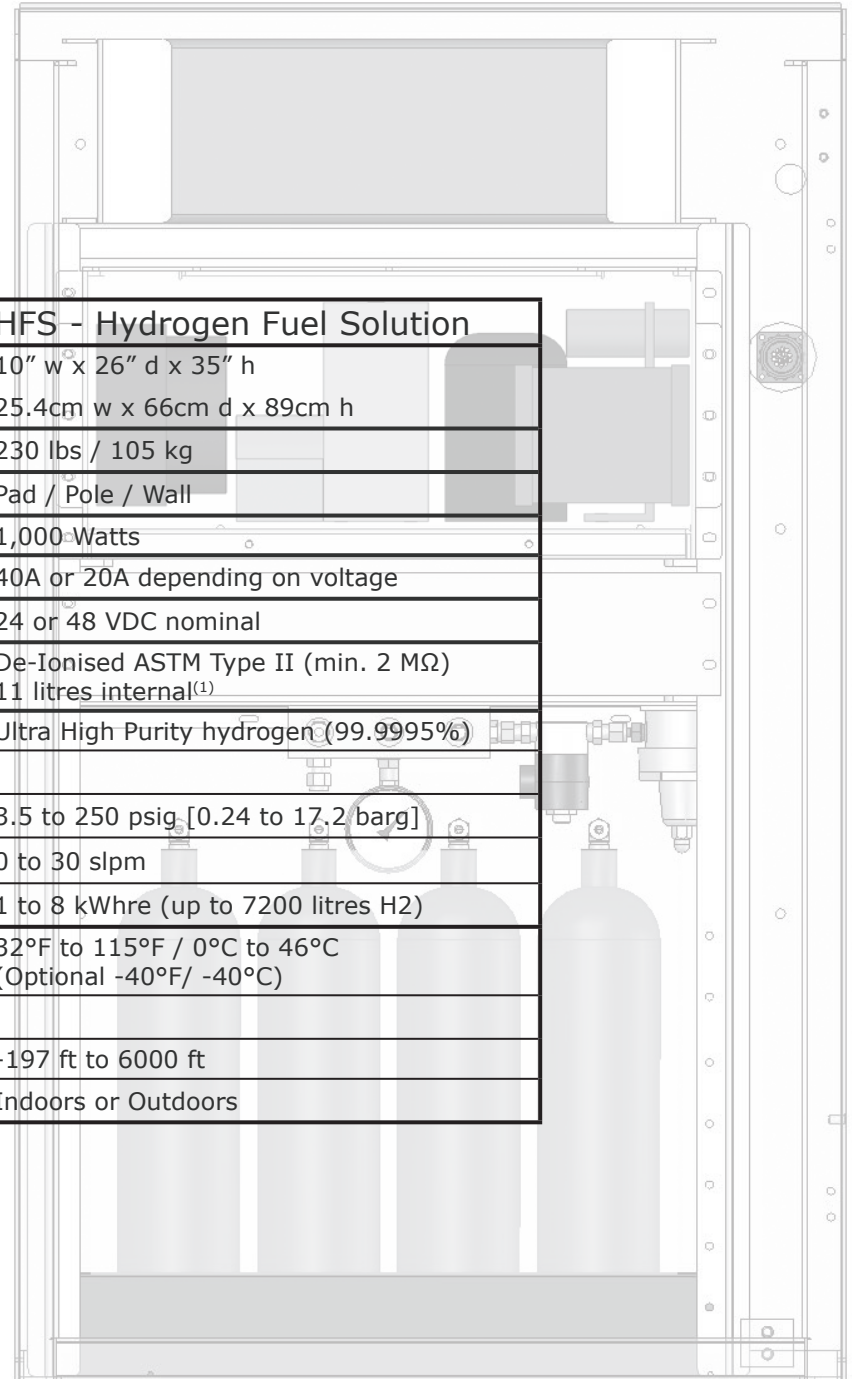




electric hydrogen inc.

The HFS provides a convenient, reliable, cost-effective fuel supply for fuel cells in remote and back-up power applications. Difficulty getting more fuel to your back-up power unit? This system delivers emission-free hydrogen automatically.



		HG02 (Hydrogen Generation only)	HFS - Hydrogen Fuel Solution
Physical	Dimensions	8.75" w x 17" d x 8.75" h 22.3cm w x 43.2cm d x 22.3cm h	10" w x 26" d x 35" h 25.4cm w x 66cm d x 89cm h
	Weight	34 lbs / 15 kg	230 lbs / 105 kg
	Mounting	19" rack mount - 5U	Pad / Pole / Wall
Input	Rated Input Power	1,000 Watts	1,000 Watts
	Rated current	40A or 20A depending on voltage	40A or 20A depending on voltage
	DC voltage	24 or 48 VDC nominal	24 or 48 VDC nominal
	Water	De-Ionised ASTM Type II (min. 2 MΩ)	De-Ionised ASTM Type II (min. 2 MΩ) 11 litres internal ⁽¹⁾
Output	Composition	Industrial grade hydrogen (99.9%)	Ultra High Purity hydrogen (99.9995%)
	Supply pressure to storage	200 psig [13.7 barg]	
	Supply pressure from storage		3.5 to 250 psig [0.24 to 17.2 barg]
	Hydrogen Flow rate	3.5 ² slpm [0.2 Nm ³ /hr] or 5000 slpd	0 to 30 slpm
	Hydrogen Storage Capacity	n/a	1 to 8 kWhre (up to 7200 litres H ₂)
Operation	Ambient temperature	32°F to 115°F / 0°C to 46°C	32°F to 115°F / 0°C to 46°C (Optional -40°F/ -40°C)
	Relative humidity	0 to 95% non-condensing	
	Altitude	-197 ft to 6000 ft	-197 ft to 6000 ft
	Location	Indoors (or outdoor enclosure)	Indoors or Outdoors

Notes

- 1 Optional internal filtration to use tap water recovery
Optional water recovery system available to eliminate water refills
- 2 Higher capacity hydrogen generation available

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Convenient, reliable, cost-effective



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The ElectricHydrogen HFS is an easy to use and automatically controlled hydrogen fuel solution that consumes only electricity and water to produce all the fuel required for fuel cell back-up power applications. It incorporates hydrogen generation, water supply, and hydrogen storage in a single, compact, ready to use system.

Safe on-site hydrogen supply, without interruption.

