

T-1000 Hydrogen Fuel Cell



The T-1000® hydrogen fuel cell - ultrareliable, ultraclean.

Designed specifically for communications backup power applications within the telecommunications, utility and government sectors with the only emission being water. The T-1000® uses patented Modular Cartridge Technology® for hot-swappable high reliability, ease of maintenance, and simplicity of design.

Ultra-Scalable

The T-1000® incorporates modular electronics cards which enable scalability by providing flexible configuration from 600 Watts to its full 1,200 Watt capacity.

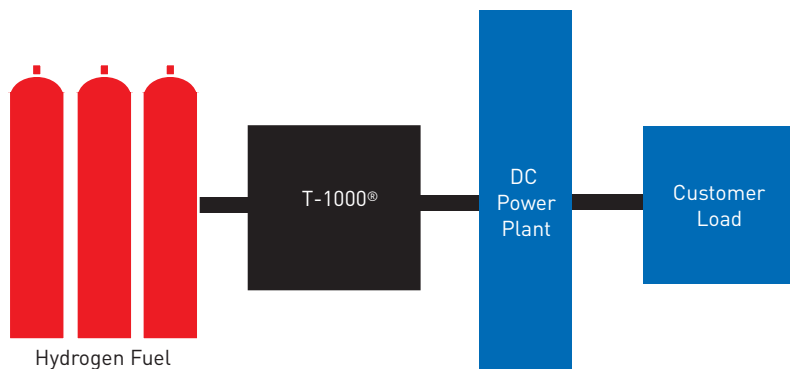


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A New Era in Critical Backup Power

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Functional Diagram

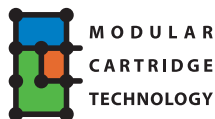


Product Specifications

		T-1000®	T-1000® in Enclosure
Physical	Dimensions (w x d x h)	12.75" x 19" x 23.5" 32.5cm x 48.25cm x 59.69cm	18" x 26" x 35" 45.75cm x 66cm x 89cm
	Weight	55 to 120 lbs / 25 to 54 kg	120 to 185 lbs / 55 to 84 kg
	Mounting	19" rack mount	Pad / Pole / Wall
Performance	Rated net power	0 to 1,200 Watts	
	Rated current	0 to 50A @ 24VDC / 0 to 25A @ 48VDC	
	DC voltage	24 or 48 VDC nominal	
Fuel	Composition	Standard industrial grade hydrogen (99.95%)	
	Supply pressure to unit	3.5 to 6 psig / 24 to 41 KPag 0.24 bar to 0.41 bar	
	Consumption	7.7 slpm @ 600 Watts; 16.9 slpm @ 1200 Watts	
	Hydrogen Storage Capacity	n/a	Modular solutions scalable from 8 to 96 kWh
Operation	Ambient temperature	32°F to 115°F / 0°C to 46°C	-40°F to 115°F / -40°C to 46°C
	Relative humidity	0-95% non-condensing	
	Altitude	-197 ft to 13,800 ft / -60m to 4206m	
	Location	Indoors	Outdoors
Safety	Compliance	UL / CSA / CE	NEBS Level 3 / Seismic Zone 4
Emissions	Water	Max. 30mL / kWh	
	Noise	53 dBA @ 3.28 ft / 1 meter	
Monitoring / Control	Remote	System configuration & status / Historical and operational data	
	Communications	RJ45 / DB9 / Dry Contact	



NEBS Level 3



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Protected by U.S. Patent Nos. 6,030,718; 6,096,449;
6,218,035; 6,387,556; 6,428,918; 6,468,682; 6,773,839
and other patents pending. Product specifications
are subject to change at any time.

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