

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.

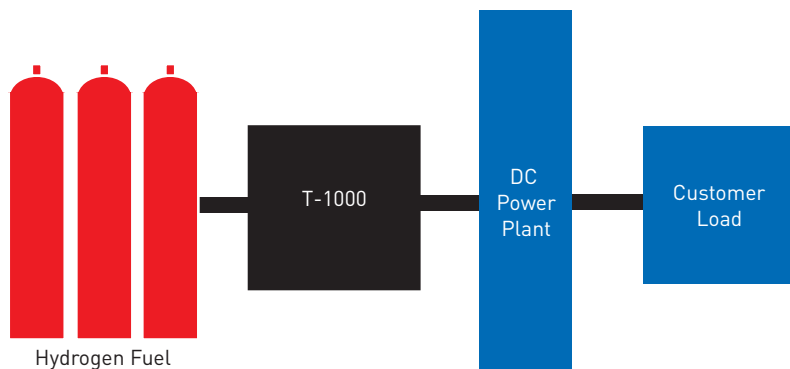


ReliOn
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When You Can't Afford To Be Without Power

T-1000 Hydrogen Fuel Cell

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 (pending) | 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 | |



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 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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