

E-200 Hydrogen Fuel Cell



Features

- Modular, compact, economical
- Scalable for higher capacity applications
- Self diagnostics for optimal performance
- Multiple bus / Multiple voltage site solutions
- Indoor shelter 19" or 23" rack mount and outdoor cabinetized configurations



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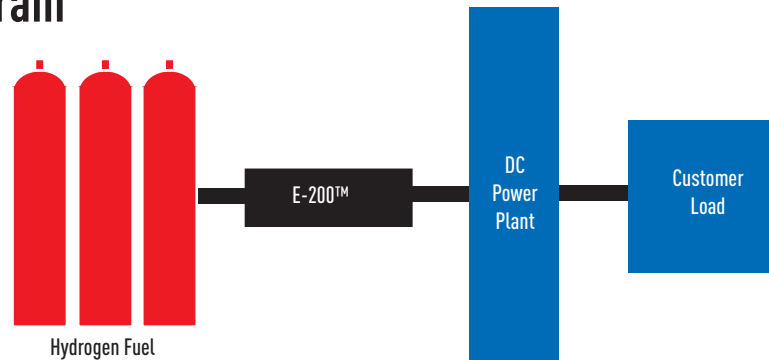
The E-200™ hydrogen fuel cell - clean, highly reliable power wrapped in a compact, economical package. Designed specifically for small-scale backup power applications within the telecommunications, transportation, security and government sectors, the E-200™ fuel cell system provides DC power for equipment needing up to 175 Watts in a 2U rack-mount chassis. The E-200™ is fueled by hydrogen and can affordably provide hundreds of hours of highly reliable runtime between refuelings for critical equipment.

Because the only emissions are warm air and a small amount of water, the E-200™ is exempt from the most stringent air quality standards and is a valuable component of corporate sustainability efforts.

Fuel Cells

Simply Powerful

Functional Diagram



The E-200 is well suited for applications like the following:

- 3G and 4G wireless
- Wireless backhaul/T1/Fiber
- Fiber fed DAS
- Remote radio head units
- Micro/Pico cell sites
- Wireless broadband/WiMax
- Railroad signaling

- Microwave communications
- Radio/Repeater sites
- Flight guidance ILS
- Surveillance / Security systems
- FTTx / Broadband Access
- Broadband DLC
- Traffic signaling

Product Specifications

Physical	Dimensions (w x d x h)	17.25" x 18.5" x 3.38" / 43.8 cm x 47 cm x 8.6 cm
	Weight	30 lbs / 13.6 kg
	Mounting	19" or 23" rack mount
Performance	Typical power	12 & 24V: 175W / 48V: 150W
	Rated current	0 to 15A @ 12V / 0 to 7.5A @ 24V / 0 to 3.7A @ 48V
	DC voltage	12 / 24 / 48 V 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	3 slpm @ rated power
	Hydrogen Storage Capacity	n/a (modular storage solutions available from 2.5kWh to 300kWh)
Operation	Ambient temperature	35°F to 122°F / 2°C to 50°C Optional -40°C to 50°C in hardened outdoor cabinet
	Relative humidity	0-95% non-condensing
	Altitude	-197 ft to 13,800 ft / -60m to 4,206m
	Location	Indoors
	Safety	Compliance
Emissions	Water	Max 6mL / 175W
	Noise	53dBA @ 3.23 ft / 1m
Monitoring / Control	Remote Communications	System configuration & status / Historical & operational data USB / Dry contact

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