

E-200 Hydrogen Fuel Cell



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 200 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 for critical equipment.

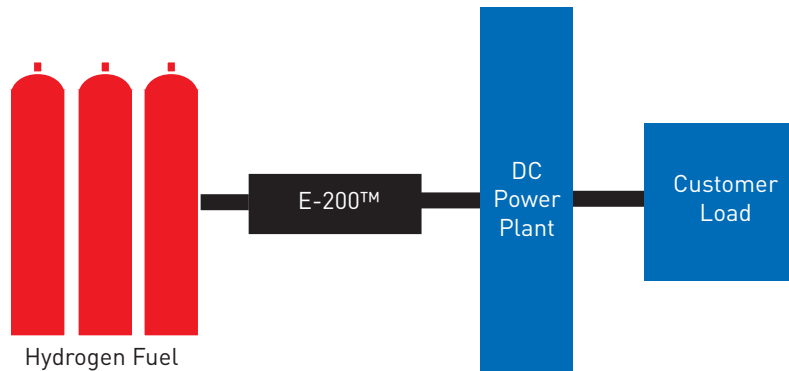
Because the only emissions are warm air and a small amount of water, the E-200™ is exempt from the most stringent air quality standards and is a valuable component in corporate sustainability efforts.



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A New Era in Critical Backup Power

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	175W
	Rated current	0 to 15A @ 12V / 0 to 7.5A @ 24V / 0 to 3.75A @ 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 @ 175W
	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	Pending
Emissions	Water	Max 6mL / 175Whr
	Noise	53dBA @ 3.23 ft / 1m
Monitoring / Control	Remote	System configuration & status / Historical & operational data
	Communications	USB / Dry contact



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 6,218,035; 6,387,556; 6,468,682; 6,773,839 and
 others. Product specifications are subject to
 change at any time.

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