



## Fuel Cell Power for Critical Stationary Power Applications.

Plug Power's ReliOn 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 railroad, telecommunications, utility, transportation and government sectors, the E-200 fuel cell system provides up to 200W of DC power. The E-200 is fueled by hydrogen and can affordably provide hundreds of hours of highly reliable runtime for critical equipment between refueling visits.

*Proven. Rugged. Reliable. Clean.* Plug Power has installed more than 3,600 ReliOn fuel cells at customer sites across the United States and 36 other countries. With more than 86 million installed hours of site power protection, ReliOn products are field-proven through snow and ice storms, hurricanes and other severe weather events. 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.

### Powerful Benefits

- **Higher Reliability**
  - Third-party verified at 99.6%
- **Lower Operational Costs**
  - Exchange an air filter annually
- **Reduced Site Emissions**
  - Safe, clean, zero emission power
- **Flexible Installation Configurations**
  - Indoors/Outdoors, Vertical/Horizontal, Multiple bus / Multiple voltage, Multiple fueling options

**ReliOn** E-200™  
in environmentally-hardened cabinet



POWER RAKEHEAD

## Environmentally-hardened

We understand that you need your power solution to perform wherever your equipment is located. Plug Power's ReliOn fuel cells perform in hot and cold, humid and arid environments. Certification testing has confirmed their capabilities in wind-driven rain, brush fire and earthquake conditions. More importantly, these fuel cells perform during real world conditions.

## Scalable for higher capacity applications

ReliOn E-200 fuel cells may be used solo for power requirements under 200W or in multiples for power requirements up to 600W. Flexible outdoor cabinet options allow you to purchase the amount of power you need now and upgrade if requirements change in the future.

## Flexible installation options

Plug Power's ReliOn E-200 may be mounted either vertically or horizontally - indoors or in an environmentally-hardened outdoor cabinet. More than 30 possible product configurations make the complexities of your power requirements simple. Field-selectable voltage conversion makes changes easy.

## Cost-effective

Required fuel cell maintenance is limited to an annual air filter exchange. ReliOn E-200 fuel cells initiate an auto-exercise program every few weeks so that they are ready to perform when you need them. Fuel cell health and fuel levels may be remotely monitored. Simple maintenance and fewer site visits mean up to 84% lower operational costs when compared to combustion generators. Clean, zero emissions operation means not having to address fuel spill containment and air quality reporting requirements.



### PRODUCT SPECIFICATIONS

PHYSICAL	Dimensions (W" x D" x H")	17.25" x 18.75" x 3.38" / 43.8cm x 47.63cm x 8.6cm
	Weight	16.5 lbs / 7.5 kg
	Mounting	19" or 23" rack mount
PERFORMANCE	Maximum power	200W
	Rated current	16.6A @ 12V / 8.3A @ 24V / 5.5A @ 36V / 4.1A @ 48V
	DC Voltage	12 / 24 / 36 / 48V nominal - field-selectable
OPERATION	Ambient temperature	23°F to 122°F / -5°C to 50°C (Optional -40°F to 122°F / -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 or hardened outdoor cabinet
EMISSIONS	Water	Max 8mL / 200W (primarily vapor)
	Noise	51.6dBA @ 23ft (7m) / 65dBA @ 4.9ft (1.5m)
MONITORING / CONTROL	Remote	System configuration & status / Historical & operational data
	Communications	Standard: USB / Dry contact / Ethernet / SNMP / Web interface Optional: Wireless modem - CDMA / GSM / Ethernet switch
FUEL	Composition	Standard industrial grade hydrogen (99.95%)
	Supply pressure to unit	8 to 12 psig / 55.1 to 82.8 KPag / 0.55 bar to 0.83 bar
	Consumption	3 slpm @ rated power
	Hydrogen storage capacity	n/a (multiple fueling solutions available separately)

Specifications subject to change without notice. Information based on standard products working under normal operating conditions.



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