## E-2500 Hydrogen Fuel Cell

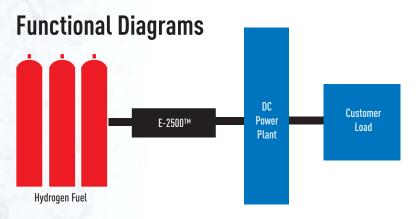




The E-2500™ hydrogen fuel cell - efficient, compact, environmentally responsible energy.

Designed for backup power applications within the telecommunications, transportation, security and government sectors, the E-2500™ fuel cell system provides DC power for equipment needing up to 2,500 Watts in a 8U rack-mount chassis. Multiple systems may be combined for higher power applications and N+1 redundancy. The E-2500™ system is fueled by hydrogen and can affordably provide highly reliable extended runtime for critical equipment. Because the only emissions are warm air and a small amount of water, the E-2500™ is exempt from the most stringent air quality standards and is a valuable component in corporate sustainability efforts.

## **Specifications**





- Rack and cabinet options enable higher capacity requirements
- Compact chassis allow integration with batteries and DC to DC conversion equipment

The E-2500™ fuel cell system is well suited for applications like the following:

3G and 4G wireless Wireless backhaul/T1/Fiber/Microwave Transportation (Signals / Signs) P25 / Tetra SCADA Disaster response / First Responder Microwave communications Radio/Repeater sites Flight guidance ILS Surveillance / Security systems Broadband DLC

**Preliminary Product Specifications** 

Physical	Dimensions (w x d x h)	21.25" x 24" x 14" / 54.7 cm x 61 cm x 35.6 cm
	Weight	116 lbs / 52.6 kg
	Mounting	23" rack mount (8U)
Performance	Maximum power	2,500W in single chassis / Scalable to 20kW in rack or cabinet
	Rated current	0 to 104A @ 24V / 0 to 52A @ 48V
	DC voltage	24 / 48 V nominal
Fuel	Composition	Standard industrial grade hydrogen (99.95%)
	Supply pressure to unit	10 psig / 69 KPag / 0.69 bar operating
	Consumption	34.2 slpm @ 2,500W
	Hydrogen Storage Capacity	n/a (modular storage solutions available from 2.5kWh to 300kWh)
Operation	Ambient temperature	35 <sup>0</sup> F to 122 <sup>0</sup> F / 2 <sup>0</sup> C to 50 <sup>0</sup> C
	·	Optional -40 <sup>o</sup> C to 50 <sup>o</sup> C in hardened outdoor cabinet
	Relative humidity	5-95% non-condensing
	Altitude	-197 ft to 13,800 ft / -60m to 4,206m
	Location	Indoors or hardened outdoor cabinet
Safety	Compliance	CSA, NEBS and CE Pending
Emissions	Water	Max 25mL / kWh
	Noise	72 dBA @ 3.23 ft / 1m
Monitoring / Control	Remote	System configuration & status / Historical & operational data
	Communications	Standard: USB / Dry contact

Optional: Front panel display / Ethernet / SNMP Wireless modem - CDMA / GSM

## **Corporate Headquarters:**

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