

500W PEM fuel cell

independence500

Introduced in 2002, the Independence 500 is a 500 watt fuel cell system specifically designed for battery charging applications. The product will affordably add hours of backup run time as well as extend battery life. It can be mounted in a standard 19 inch rack. The Independence 500 is powered by ten of Avista Labs' hot swappable 250 series modular

power cartridges.

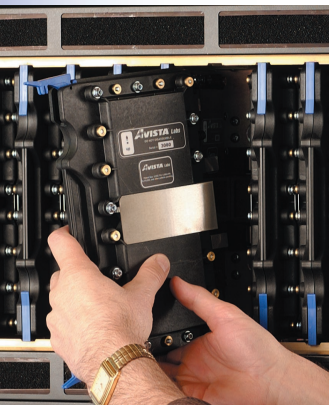
The Independence 500 is quiet and generates electricity using industrial grade hydrogen, with the only by-products being pure water and a little heat. Using Avista Labs' patented Modular Cartridge Technology™, the 250 series cartridges can be

replaced as needed while the unit continues to power a load.



Specifications

<i>Power Output:</i> Continuous	500w
<i>Voltage:</i>	Optional 12, 24, or 48VDC
<i>System Start-up Time:</i> 50% power 100% power	< 1 minute @ 25°C < 2 minutes @ 25°C
<i>Operating Conditions:</i>	0°C – 45°C (32°F – 113°F)
<i>Efficiency:</i>	36-40% @ full load
<i>Fuel Supply:</i>	Industrial grade H ₂
<i>Supply pressure:</i>	3-5psi, 6psi max.
<i>Fuel Consumption:</i>	9 liters/min@500w 5.5 l/m @ 250w
<i>Size:</i>	42.7cm h x 44.7cm w x 47cm d (16.8"h x 17.6"w x 18.5"d)
<i>Weight:</i>	78 lbs.
<i>Modes:</i>	Battery charger - remote, auto or manual start



15913 E. Euclid Avenue
Spokane, WA 99216
Phone: (509) 228-6500
Toll Free: (877) 474-1993
Fax: (509) 228-6510
www.avistalabs.com

