



Powered By Enertek Solutions, Inc.

Introducing the Newest Standard in
"Silent Running"



SAFER LITHIUM ENERGY STORAGE

Energy Storage and Power Integration

NRG e-Pak Model HP40012* (Base Emergency First Responders)



PRODUCT SPECIFICATIONS

CAPACITY	400Ah (5,980Whr)
OPERATING VOLTAGE	12V-16V
OPERATING CURRENT	400A cont, 800A peak
POWER	5,900W cont, 12,200W peak
MASS	102lbs
DIMENSIONS	19" x 17" x 7"
BATTERY MANAGEMENT SYSTEM (BMS)	Individual Cell Under voltage Protection (UVP), Overvoltage Protection(OVP), Thermal Protection, AutoCell Balancing
AUTO CONFIGURATION	Power cables can be connected either in series or parallel with no software adjustments, no small signal cables needed.

Made in the USA

We support our military and the following organizations:



SANCTITY OF
HOPE

- Provides Extreme High Power Energy and Durability
- Also provides the ability for high amp charge and discharge without hurting the battery or its long-term performance.
- Custom-designed from scratch specifically for the Fire Truck and Emergency Command Vehicles (originally for Military Specs)
- Relatively immune to extreme climate or inclement weather changes -30C to +60C. Thermo-Pak option available upon request.
- Equivalent to 600Ah (Amp hours) AGM, Gel, or lead-acid
- 1/10th the Mass and Volume
- 10 times (10x) the Energy Density of regular batteries
- UP to 30 times (30x) life cycle / longevity
- Up to 2500 Cold Cranking Amps AFTER 100% Depth of Discharge
- 6% Reserve Capacity after Safety Shutdown via 2 second reset

- Scalable and Modular (both in Series and Parallel)
- Adaptable to Solar, Wind, Kinetic, Vehicular Alternator, Generator and 110V or 220V
- Built-in Safety Protocols - 6 levels prevent Thermal runaways
- Quick charges in as little as 2 hours -100% Depth of Discharge
- Life expectancy as much as 30+ years with zero maintenance
- Lazarus Mode (Proprietary Sleep Mode - System goes to sleep when not in use)
- Takes the place of (4) starter batteries, (6)8D AGM's energy storage and diesel gen-set; all-in-one battery weighs ~100 lbs

Please let us know if you're interested in pursuing testing, comparisons, purchases, etc.

August 9, 2011

“Enertek Solutions, Inc., an Xfinigen, Inc. affiliate, supplied cutting-edge battery powered lighting systems to the University of Oregon’s ‘Paisley Caves Archaeological Research Project’ during the summer of 2011. The Paisley Caves Project is located in the Summer Lake basin in the high desert of Central Oregon. The site is remote, undeveloped, hot, dry, and dusty. These conditions have combined to preserve the oldest directly dated human remains (ancient DNA in dried human excrement >14,000 years old) in the Western Hemisphere. The lighting systems supplied by Enertek were employed in three very different cave settings...and provided up to 32 hours of constant LED lighting between recharges. These systems eliminated the need for heavy, expensive, and noisy gasoline generator use on site for all but the heaviest rock breaking activities. The lighting systems were very compact, eliminating the need for hundreds of feet of heavy, unsightly power cords winding through boulder fields and across work areas...We found them to be very adaptable, providing high levels of light to the dark caves and excavation units...I was very pleased with their performance and can highly recommend them without reservation.”

~ Dr. Dennis L. Jenkins, Director Northern Great Basin Archaeological Field School, Museum of Natural and Cultural History, University of Oregon

Paul Baumann — Enertek Solutions, Inc.

C: 971.998.3899 • O: 503.525.4942 • Canada: 631-495-2162

F: 503.525.0224

E: pbaumann@enerteksolutions.com

700 SE Clay • Portland, Oregon 97214

enerteksolutions.com