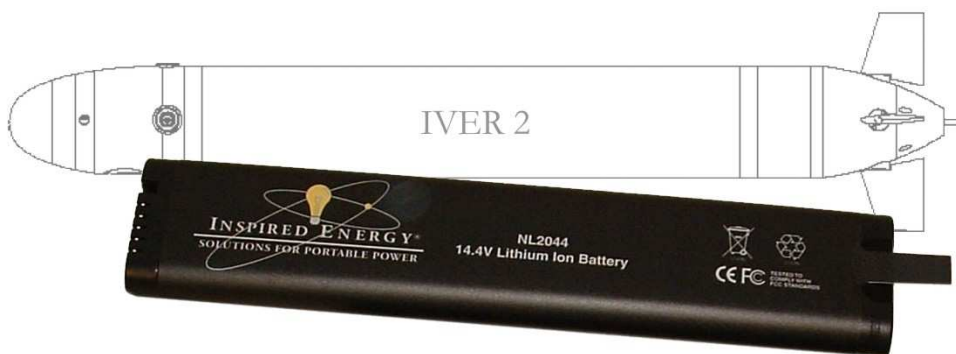


Inspired Energy Launches a New High Energy Battery Optimized for use in Underwater Robotics

Newberry, FL Friday Oct 7th. Inspired Energy today launched their latest High Energy Smart Battery:
The 12-cell, 14.4V, 6.6Ah, 95Wh, NL2044



Developed with the needs of Autonomous Underwater Vehicles in mind, the **NL2044** combines the power of the 95Watt Hour “NL” range of batteries with a long, thin shape more suited to the needs of streamlined Autonomous Underwater Vehicles.

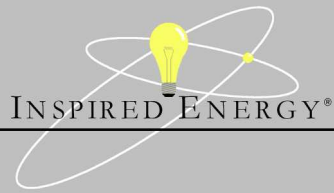
However, in spite of its underwater-application design principles, the **NL2044** has already also been designed into medical and computing devices, demonstrating the versatile nature of this new smart rechargeable battery.

“The success of our existing “NL” range of 95 Watt hour batteries, and demand from customers led us to develop the new NL2044.” Said Inspired Energy Managing Director Lex Jacobs. *“We worked with customers in the diverse fields of autonomous underwater vehicles, high power mobile computers and medical devices to create a new battery that suited each of their unique needs.”*

All Inspired Energy smart rechargeable battery packs feature an on-board microprocessor which provides battery diagnostics, cell monitoring, fuel gauging and enables the communication of this data to the host device.

The creation of new standard smart Li ion batteries gives portable device designers a greater choice of off-the-shelf power sources. The costs of testing & certifying a new Li ion battery are often higher than the design, & tooling costs, so choosing a power source from a portfolio of established products reduces development costs and time to market.

The NL2044 battery complements two Inspired Energy product lines; The “NL” and “204” ranges shown overleaf:



NL2044 Smart Standard Battery For Immediate Release

The 3 batteries in Inspired Energy's "NL" range of 95 Watt Hour battery packs form the world's most comprehensive range of high energy standard batteries:

- **NL2044:** 12-cell, 14.4V, 6.6Ah, 95Wh, 710g/25oz - a long, thin form factor adapted for motive power in Autonomous Underwater Vehicles
- **NL2024:** 12-cell, 14.4V, 6.6Ah, 95Wh, 710g/25oz - a short, fat, form factor for motive power in robotics and high-energy portable computing devices.
- **NL2020:** 12-cell, 14.4V, 6.6Ah, 95Wh, 710g/25oz - a short, fat, form factor for high-energy portable computing and instrumentation.

The "204" range of Smart Standard batteries consists of 3-cell, 6-cell, 9-cell, and now 12-cell standard battery packs sharing identical cross section & enabling device designers to pick the perfect battery to suit their requirements from a full range of products:

- **NL2044:** 12-cell, 14.4V, 6.6Ah, 95Wh, 710g/25oz - for motive power in robotics
- **NI2040:** 9- cell, 10.8V, 6.6Ah, 71.2Wh, 484g / 17oz - for power-hungry mobile electronics
- **NF2040:** 6-cell, 10.8V, 4.4Ah, 47.6Wh, 330g / 12oz - for small, mobile devices
- **NC2040:** 3-cell, 10.8V, 2.2Ah, 23.7Wh, 170g / 6oz - for handheld devices

All Inspired Energy standard battery packs share the following general specifications

- Fully compatible with Inspired Energy chargers
- Fully SMBus compatible communications
- Conform to the Smart Battery Data System Specification (SBDS)
- Compatible with Smart Charger System (SCS) - SMBus Level 2 or higher recommended
- Maximum continuous discharge rates are across the temperature range of -10°C to +50°C
- All batteries mate to the 5-blade industry-standard battery connector
- Device cavity size is recommended to be 1mm wider & 1mm taller than the battery dimensions
- Shipped as normal, unregulated, non-hazardous goods
- May be modified to suit customer and application requirements
- Full specifications and material safety information available at www.inspired-energy.com

About Inspired Energy, Inc.

Inspired Energy, Inc. specializes in the creation of battery packs with built-in electronic intelligence; providing battery monitoring, highly accurate & precise fuel gauging, battery diagnostics and battery-to-host communications. In addition Inspired Energy designs and manufactures smart chargers and offers contract design and assembly services. Clients can pick from a portfolio of existing batteries, or commission a pure custom pack or choose a customized version of a pre-existing battery in order to combine the best of low-cost standard designs with tailored electronic solutions.

Drawing on more than 50 years combined battery technology experience the management group, are also uniquely positioned to assist in the design & commercialization of fuel cell / battery hybrid systems providing the capability for the smart battery and fuel cell to communicate directly, ensuring optimum performance of the hybrid system.

Contact: D. Baggaley, Sales & Marketing Director dave.baggaley@inspired-energy.com

Inspired Energy, Inc. 25440 NW 8th Place, Newberry, FL 32669
US toll free: 1-888-5-INSPIRE (1-888-546-7747) Tel: 352 472 4855 Fax: 352 472 4859

www.inspired-energy.com

Have you been inspired recently?