

For Immediate Release:

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## Inspired Energy expands the 203x range of smart batteries and boosts battery capacity

Newberry, FL, USA December 2012; Inspired Energy today released details of an 8-cell Li Ion battery that completes their 203x range of standard smart battery packs, and introduced the latest 3.4Ah cells to boost capacity beyond any currently available standard smart battery packs.



The 203x range now includes the following standard, smart battery designs:

- NB2037: 2-cell, 2S1P, 7.2V, 3A max current discharge & up to 24Wh of stored energy
- ND2037: 4-cell, 2S2P, 7.2V, 8A max current discharge & up to 49Wh
- ND2034: 4-cell, 4S1P, 14.4V, 4A max current discharge & up to 49Wh
- NF2030: 6-cell, 3S2P, 10.8V, 8A max current discharge & up to 73Wh
- NH2034: 8-cell, 4S2P, 14.4V, 8A max current discharge & up to 98Wh

Each model is available in cell capacities from 2.9Ah, 3.1Ah or 3.4Ah; providing an industry-leading 98Wh in the new 8-cell NH2034 model.

The 203x range of smart Li Ion battery packs is designed for use in handheld equipment. In particular, the 2-cell wide format allows these battery packs to be designed into the handle of a “pistol-grip” style device. When used in this manner, the always-on LCD fuel gauge provides the user with instant battery status with a glance at the base of the handgrip.

“For some time, our customers have been requesting smaller battery packs for handheld devices, so we created the 2-cell NB2037 specifically to meet this demand. We also needed a more robust solution to the old

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ND1027 design which is 2-cells wide and two cells long, so we created the ND2037. It was then just a small step to the creation of the whole product range based around a two-cell common cross-section.” said Lex Jacobs, Inspired Energy’s Managing Director.

The launch of the 203x product range compliments Inspired Energy’s 202x, 204x, 205x ranges of high energy-density battery packs and their “P”Series, high Power density products. All 203x range products are tested to IEC62133, and carry the CE & FCC marks for emissions and immunity. These products are also part of the Rechargeable Battery Recycling Corporation “Call-to-Recycle” program which provides local recycling points throughout North America.

All Inspired Energy battery Lithium Ion packs are tested to the UN/DOT transportation requirements.

Inspired Energy’s world-leading standard battery portfolio is now expanded to 27 models with more than 58 different standard versions available and many more custom variants. This represents the world’s largest offering of off-the-shelf battery designs, and gives the device designer the widest possible choice of battery sizes & shapes, each with differing capacities, battery voltages, discharge currents & price points.

The 203x product range takes advantage of the following advances in battery technology:

- The latest 3.4Ah Li Ion 18650 cells for longer runtimes in smaller, lighter packages.
- Impedance-tracking fuel gauge chips for more accurate fuel gauging with minimal recalibration.
- Primary and secondary electronic protection with multiple-redundant passive cell protection for enhanced product performance and safety.
- High strength, ultrasonically welded polycarbonate cases for greater ruggedness.

The 203x range is fully compatible with Inspired Energy’s “CH” range of desktop chargers which are available as 1-bay, 2-bay, 4-bay 6-bay or 12-bay versions.

### **About Inspired Energy, LLC.**

Inspired Energy specializes in the creation of battery packs with built-in electronic intelligence; providing battery monitoring, high-precision fuel gauging, battery diagnostics and battery-to-host communications. In addition Inspired Energy designs and manufactures smart SMBus charging systems.

Clients can pick from a portfolio of existing standard battery designs, commission a pure custom pack or choose a customized version of a standard model to combine the best of low-cost standard designs with tailored electronic solutions.

Our business of mass-customization employs the principles of just-in-time & lean manufacturing, and all our products are built to order & shipped direct throughout the world from our headquarters in Newberry, north-central Florida, USA.

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