

PG3665 High Power Density Standard Battery For Immediate Release

Inspired Energy Launches a New High Power Density Battery Optimized for use in Robotics & 24V DC Motor Applications

Newberry, FL Wednesday April 8th 2008.

Inspired Energy today launched their first in a new range of high power density smart lithium ion batteries packs; the 7-cell, 25V, 2.9Ah, 73Wh, PG3665A29

Developed primarily with the needs of 24V DC motor applications in mind, the **PG3665** harnesses the exceptionally high power density of the latest technology Li Ion cells to create a compact, rugged, 25 volt lithium ion battery pack with the capability to continuously deliver 20 amps with 30 amp peaks. This makes it ideal for use with 24V DC motors which often have high inrush currents at start-up & shut-off.



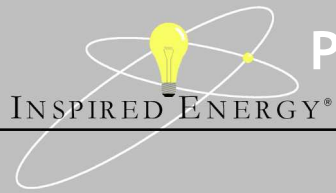
“The success of the new breakthrough lithium ion cell technologies as used in power tools, along with demand from customers led us to develop the new PG3665.” Said Inspired Energy Managing Director Lex Jacobs. *“We worked with a customer in the medical device market to create a new battery that jointly suited our needs for a new standard battery design and their need for a power source to run their 24V DC motor system.”*

The PG3665 is designed for use in rugged environments, featuring an aluminum extruded case with molded end-caps which recess the D-sub connector, fuel-gauge window and the stainless, spring-steel pull handle. If required, the battery can be physically located in place by sliding M4 nuts along the included “T-tracks” to bolt it to a chassis. With a nominal voltage of 25.2V the PG3665 is perfect for use with 24V DC electric motors - its high discharge current capability enables it to easily handle large current spikes during start-up. The use of a high-current D-Sub connector with optional screw-mounting posts also enables the use of a cable battery connection, effectively creating a version with “flying leads”.

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The PG3665 battery can be recharged in-situ using an SMBus-compliant charger, or can be recharged in the “P-Series” desktop chargers available from Inspired Energy. These chargers are also designed with rugged applications in mind, featuring the same extruded construction and are available with AC mains cables for USA, UK & European operation.

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. In this battery the fuel gauge information is communicated to the user either via the SMBus or by the always-on LCD panel on the end of the battery pack.

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 and certifying a new Li ion battery are often higher than the design and tooling costs, so choosing a power source from a portfolio of established products reduces development costs and time to market.

The “P-Series” PG3665 high power density smart standard battery complements the existing Inspired Energy “N-Series” high energy density product lines to form the world’s most comprehensive range of high energy and high power standard batteries.

All Inspired Energy standard battery packs share the following general specifications

- Fully compatible with Inspired Energy SMBus chargers
- Fully SMBus compatible communications
- Conform to the Smart Battery Data System Specification (SBDS)
- Compatible with the SMBus Smart Charger System (SCS)
- 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.inspiredenergy.com

About Inspired Energy

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, 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.

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. We are proud that our successful business model of ON-shore IN-sourcing runs counter to the current business trend towards offshore outsourcing.

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.

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