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Multi-bay chargers from Inspired Energy reduce cycle time in industrial settings.

Newberry FL (Dec 8th 2006) - Inspired Energy, Inc. recently launched a range of multi-bay, SMBus-compliant smart battery chargers capable of simultaneously charging any batteries in the Inspired Energy portfolio. Each charge bay operates independently and the design enables the system to be operated worldwide and configured to meet individual customer needs.



Existing multi-charger products use sequential charging for at least half of their charge bays. This greatly extends the time needed to recharge a full load of batteries. The Inspired Energy multi-bay chargers immediately begin to charge any battery placed into any charging slot, with the result that total charge cycle times can be minimized. This is ideal for users in industrial environments in which the battery packs are changed frequently. Instead of sitting in a charge bay waiting for the charge to begin, every battery is

immediately recharged and is available for use earlier, maximizing the return on the investment in battery packs.

Current products have only very limited capability to recharge different standard battery packs – often a different charger is required to charge a different battery pack. All Inspired Energy desktop chargers work with all Inspired Energy battery packs irrespective of cell type (Lithium-Ion or Nickel metal hydride) battery voltage (3.6V up to 14.4V) and battery capacity (2.4Ah to 9.6Ah). This is particularly important if your application uses a variety of different smart batteries – such as the Biomedical Engineering department of a major hospital. Smart SMBus battery packs are a common component in medical devices and the capability to recalibrate the fuel gauges on a number of different medical batteries all at the same time can reduce the time that valuable medical equipment is out of service.

As with all Inspired Energy chargers, the multi-bay chargers conform to the Smart Charger Specification (SCS). Upon insertion of the battery, the charger and battery communicate via the SMBus. The battery identifies itself and requests an appropriate charge. Charging then begins automatically with no further user input necessary, and the charge is tailored specifically to the battery pack because the battery itself controls the charger.

Every application is different. Some require more frequent battery fuel gauge calibration than others. The multi bay chargers from Inspired Energy can be ordered to meet the specific demands of each application by configuring the combination of chargers & charger-calibrators:

CH5555 – Four Charge / Fuel gauge Calibration bays

CH5554 – Three Charge / Fuel gauge Calibration bays + One Charge-only bay

CH5544 – Two Charge / Fuel gauge Calibration bays + Two Charge-only bays

CH5444 – One Charge / Fuel gauge Calibration bay + Three Charge-only bays

Ch4444 – Four Charge-only bays

Multi-bay chargers with calibration features interrogate each battery inserted into the calibration bay(s) and inform the user if the battery fuel gauge is in need of recalibration. This minimizes the number of unnecessary calibration cycles, minimizes the recharge time and maximizes the battery life.

Inspired Energy Operations Director, Gene Kropp said *“Following the successful launch of our range of single-bay desktop chargers, we began to receive customer requests for multi-bay charging systems. As we had already designed and built a number of 56-bay charger /calibration stations for our own in-house use, we were able to apply our expertise in simultaneous charging system design to the development of a 4-bay desktop system.*

All Inspired Energy chargers carry all the advantages of the Smart Battery Data system common to all Inspired Energy Standard battery products including:

- **100-250V AC input with worldwide mains cable options**
- **Battery recalibration indicator (Not CH4444)**
- **SMBus Charger-to-Battery communications**
- **Compatible with all Inspired Energy battery packs**
- **RoHS compliant**
- **CE & FCC Certified**

Full details are available to download at: www.inspireenergy.com

In addition to these new chargers, Inspired Energy have introduced a full range of battery packs, and a range of battery backpacks featuring in-pack DC:DC converters and battery chargers.

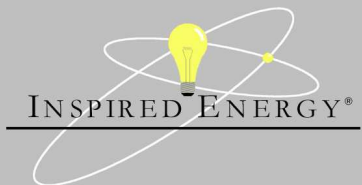
About Inspired Energy, Inc.

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.

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.

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, combining the best of low-cost standard designs with tailored electronic solutions.

For more details, please contact Dave Baggaley at 1-888-5-INSPIRE (1-888-546-7747) ext 12



Multi-Bay Smart Chargers

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