what's new nexergy

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Nexergy Introduces New Battery Charger for Lithium-Based Battery Cells

Nexergy has unveiled the LC Series of battery chargers designed specifically for Lithium-ion (Li-ion) and Lithium-polymer (Li-polymer) batteries. The new LC Series chargers feature the ability to be tailored to the unique charging requirements of each application. The cost-effective LC charger series shares a common platform with Nexergy's NC Series chargers for nickel-based battery chemistries, giving customers a total solution for their portable power requirements. The LC Series is available in a 12 or 24 watt version, with output current of up to 3A. Their higher available voltage allows the chargers to accommodate batteries with up to six Li-ion or Li-polymer cells in series. The LC chargers are customized with sophisticated firmware proprietary to Nexergy, aligning charge current and voltage to match the specific charging needs of the battery pack. For more information on the LC Series, please **click here**.

Nexergy Develops Custom Battery Pack for Military/Aerospace Market

Nexergy recently completed a new portable power system for an unmanned aerial vehicle (UAV) for the military/aerospace market. The unique high-reliability solar- and battery-powered system, developed in conjunction with SION Power Corporation, utilizes SION lithium sulfur battery cells in a custom battery pack complete with a sophisticated charging circuit that was developed by Nexergy. Prototypes of the printed circuit boards required by the charger were manufactured on one of Nexergy's in-house SMT production lines at their Columbus facility. The new UAVs, designed eventually to stay airborne for months at a time at altitudes exceeding 50,000 feet, operate on solar and battery power only, meaning night-time flight must be fully battery-powered. In initial test flights, the new Nexergy/SION lithium sulfur portable power system increased the UAV's battery-operated flight time by 80%. For more information, please **click here**.

Lon Schneider & Chris Turner

Nexergy Offers 2007 Portable Power Seminar Series

Nexergy has announced their 2007 multi-city technical seminar series devoted exclusively to the technical issues surrounding battery pack and charger design. With the resounding success of the 2006 seminar series, Nexergy has expanded the program to give design engineers in multiple geographic areas an opportunity to learn about the latest developments in battery pack and charger design and manufacture. Presented by Chris Turner, Director of Battery Technology, and Lon Schneider, Director of Product Development, the seminars will focus on topics such as battery cell selection, battery validation testing, battery safety, fuel gauging, and RoHS and shipping considerations. Attendees will also be given the opportunity for one-on-one conversations with Nexergy engineers to inquire about specific portable power issues or applications. For more information, please **click here**.

Nexergy, Inc. 1909 Arlingate Lane • Columbus, OH 43228 • 888-696-4589