

## FOR IMMEDIATE RELEASE

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## **INFINITE POWER SOLUTIONS UNLEASHES THE WORLD'S MOST POWERFUL THIN-FILM, SOLID-STATE, SINGLE-CELL BATTERY ON THE MARKET**

### *Company Announces Immediate Availability of its THINERGY™ MEC102*

**Littleton, Colo., November 17, 2009**—Infinite Power Solutions, Inc. (IPS), a global leader in the development and manufacturing of solid-state, rechargeable, thin-film energy storage devices, today announced the immediate availability of the world's most powerful solid-state, thin-film, single cell battery on the market—the THINERGY™ MEC102. Unveiled earlier this year, the powerful MEC102 is the latest thin-film micro-energy storage device now available from IPS' award-winning THINERGY Micro-Energy Cell (MEC) portfolio.

IPS continues to lead the industry in delivering the world's most powerful batteries among its class—outperforming all other energy storage technologies currently on the market, such as supercapacitors, coin cells, printed, and all other thin-film batteries. Extremely small, powerful and robust, the MEC102 provides a nominal 4V output and features a unique, patented, flexible package design that maximizes the active area of the cell and minimizes the device footprint to deliver high energy and power density. With an expected lifetime of up to 20 years, THINERGY MECs require no maintenance or periodic replacement like other batteries, allowing the lowest total cost of ownership. Moreover, THINERGY MECs are eco-friendly and completely safe as they will not overheat, burn, leak or outgas. They can be deeply embedded since they last the life of the system. As a result, the MEC102 and other products within IPS' THINERGY MEC line-up are changing how the power source for micro-electronic systems is designed, both now and in the future—underscoring THINERGY's truly transformational technology benefits.

Among its myriad features, the THINERGY MEC102 specifically offers:

- Multiple capacity options up to 2.5mAh, and up to 10mWh (36 Joules) of energy
- High discharge rate capability of 100mA (continuous), and 300mW (continuous)
- An ultra-thin form factor—only 170 micrometer total package thickness
- All inorganic, solid-state construction, including electrolyte
- Ultra-low self discharge rate of less than 1 percent charge loss per year—ideal for energy harvesting
- Industry-leading rechargeability—greater than 10,000 deep discharge cycles

-more-

The MEC102 is ideal for a number of micro-electronic applications, including remote/autonomously powered wireless sensors, security systems, remote controls, memory and real-time clock back up, semi-active RFID tags and powered cards. It is also well-suited for military and aerospace applications, along with energy harvesting solutions and perpetual power systems. The MECs can be stacked vertically in a series or parallel configuration for more power and capacity, without consuming additional system footprint. A five cell stack remains less than 1mm in total height and delivers an astounding 500mA of continuous discharge current (approximately 1.5W of power). It can be charged to 90 percent in ten minutes, and efficiently accepts charge currents less than 1 microampere, making it ideal for storing harvested energy from small solar cells or other ambient energy harvesters. Additional specifications and performance metrics can be found in IPS' MEC102 product data sheet

[http://www.infinitepowersolutions.com/images/pdfs/THINERGY\\_MEC102\\_DataSheet\\_v1-0\\_OCT2009.pdf](http://www.infinitepowersolutions.com/images/pdfs/THINERGY_MEC102_DataSheet_v1-0_OCT2009.pdf)).

IPS reports that the THINERGY MEC102 is available now to qualified customers in production quantities and can be ordered directly from IPS' Colorado-based manufacturing factory, which is the world's first and only volume manufacturing facility for solid-state thin-film batteries.

The company also announced today that its vice president of technical marketing and business development, Tim Bradow, will be discussing the benefits of its THINERGY MEC technology during "Power to the People: Advances in Charging and Battery Technology," a panel to be held at the 2010 International Consumer Electronics Show (CES) in Las Vegas, January 7-10, 2010 (scheduled for Friday, January 8, Noon-1 p.m., Las Vegas Convention Center, South Hall). For editors interested in meeting with IPS at CES, please contact Marie Labrie ([mlabrie@mcapr.com](mailto:mlabrie@mcapr.com)).

**Note to Editors:** A photo of the THINERGY MEC102 is available upon request.

***About Infinite Power Solutions, Inc.***

Infinite Power Solutions, Inc. (IPS)—a U.S.-based, clean-technology company—is the global leader in developing, marketing and manufacturing solid-state, rechargeable, thin-film micro-energy storage devices for a variety of micro-electronic applications. Founded in 2001, IPS is privately held with corporate headquarters and manufacturing in Littleton, Colo. The company manufactures its revolutionary THINERGY™ family of thin-film micro-energy cell (MEC) products at its new state-of-the-art facility, which is the world's only volume manufacturing facility for solid-state, thin-film batteries. The company's energy storage products, with unrivalled performance, size and service life, displace coin cells, supercapacitors, and other micro-batteries in a variety of applications. The company's THINERGY™ MECs and INFINERGY™ Micro Power Modules uniquely enable ambient energy harvesting solutions to create miniature, autonomous, perpetual power supplies to address the growing demand among customers in the wireless sensor, active RFID, powered card, medical device, consumer electronics, automotive and civil/military/aerospace markets. Additional information about IPS is available at [www.InfinitePowerSolutions.com](http://www.InfinitePowerSolutions.com).

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