



Princeton Power Systems and Aquion Energy to Construct World's Largest AHI Battery System
Princeton Power Systems and Aquion Energy to Demonstrate DRI-10 in a Fully Functioning Microgrid

Princeton, NJ - June 25, 2014 — Princeton Power Systems, a leading global designer and manufacturer of technology products and embedded software for energy management, micro-grid operations, and electric vehicle charging, announced today that they will be partnering with Aquion Energy, a leading manufacturer for proprietary Aqueous Hybrid Ion (AHI™) batteries and battery systems for stationary energy storage applications, to construct the Largest AHI battery built to date. The companies will collaborate on a project to showcase the Princeton Power Systems DRI-10 in a fully functioning microgrid at Aquion's Systems Integration Laboratory (SIL). The project, which will be commissioned at the SIL later this summer, will contain 14 of Aquion's M-Line modules (270 kWh nameplate) being charged and discharged by a DRI-10 in both grid interactive and islanding modes. The system will run a variety of protocols emulating real world microgrid conditions.

Princeton Power Systems' UL 1741 listed DRI-10 features a distinctive E-quad power flow design combined with split-phase electrical connections and islanding capability — making this inverter ideal for applications such as hybrid solar systems, wind with storage, electric vehicle charging and commercial backup. The DRI-10 bidirectional 4-port inverter (2x DC and 2x AC) is a reliable, efficient, cost-effective and flexible solution for many advanced energy applications.

Aquion Energy's M-Line modules deliver a unique combination of safety, reliability, life, and sustainability in a cost-effective battery system based on Aquion's proprietary Aqueous Hybrid Ion (AHI™) technology. The M100 module is a 19.2 kilowatt-hour system composed of twelve Aquion S-Line Battery Stacks in a parallel configuration. The module comes equipped with an optional voltage, current and temperature sensing control board that is easily integrated with standard power conditioning systems. The M-Line modules deliver extremely long cycle life, deep depth of discharge and high efficiency, making it an ideal choice for stationary, long-duration, daily cycling applications including off-grid and microgrids, energy management and grid-scale services.

"Bringing Aquion and Princeton Power Systems together for this exceptional project to create the largest AHI battery system is an exciting and rewarding opportunity," explains Darren Hammell, Co-Founder and Chief Strategy Officer, Princeton Power Systems. "We are confident that the combination of our DRI-10 and Aquion's AHI storage system will serve as a powerful platform to demonstrate a commercially available and robust microgrid solution."

“We are excited to partner with Princeton Power Systems on this project. Our System Integration Laboratory is intended to be the primary internal demonstration Aquion uses when engaging with customers and partners,” said Ted Wiley, Vice President, Product & Corporate Strategy, Aquion Energy. “We selected the DRI-10 because of its proven capability and functionality in renewable powered microgrids both on and off the grid. Aquion has several similar microgrid systems planned for deployment around the world in the coming quarters.”

About Aquion Energy

Aquion Energy manufactures proprietary Aqueous Hybrid Ion (AHI™) batteries and battery systems for stationary energy storage applications. AHI batteries are optimized for off-grid and microgrid systems, commercial and industrial energy storage, and grid scale applications. Aquion's safe, reliable, sustainable and cost-effective batteries deliver industry-leading value for customers. Aquion's battery systems provide flexible, emissions-free capacity that optimizes existing generation assets and enables broad adoption of renewable energy technologies such as wind and solar. For more information, visit www.aquionenergy.com.

About Princeton Power Systems

Princeton Power Systems, based in New Jersey and founded in 2001, designs and manufactures state-of-the-art technology solutions for energy management, microgrid operations and electric vehicle charging. The company is a global leader working with customers and partners across North America, Europe, Africa and the Caribbean. It manufactures UL and CE-certified power electronics that are used in advanced battery operations and alternative energy, with built-in smart functions for ancillary services. The company solves power issues to allow continued growth of distributed renewable energy by providing energy storage solutions that are proven to work, even in harsh environments. Princeton Power Systems builds integrated systems and designs, commissions and operates microgrids for leading organizations, including Fortune 500 automakers and industrials, and non-profit organizations. The company proudly manufactures its products in the USA. More information about Princeton Power Systems is available at www.princetonpower.com.

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