

## Princeton Power Systems to Build Next-Generation Large-scale Solar and Energy Storage System

**August 2, 2010-** Princeton Power Systems is pleased to announce that construction will soon begin on an advanced renewable energy system combining large-scale solar generation with a lithium-ion battery storage system and smart controls. The entire system will be completed and operational before the end of the year.

The \$1.5M system will be installed at corporate headquarters at 201 Washington Road in Princeton, New Jersey, and connect to the PSE&G electric grid. In addition to a 200 kilowatt solar array, the installation will include an energy storage system consisting of large-format lithium-ion batteries manufactured by International Battery. The solar array and energy storage system will be controlled and connected to the electric grid using Princeton Power System's Grid-tied Inverter (GTIB) product. The installation will demonstrate advanced smart grid functionality including microgrid operation, demand response, frequency regulation, and power dispatch.

"Integrating large amounts of alternative energy sources like solar and wind into the electric grid will require improved controls and electronics, and this in turn will make distributed generation much more valuable and effective," stated Darren Hammell, Executive Vice President of Business Development and Co-Founder, "Our goal is to show that this is possible and cost-effective today, using available technologies, while creating jobs and doing our part to help the environment."

When commissioned, the solar array will produce sellable Solar Renewable Energy Certificates (SRECs) and offset a portion of the building's energy usage. The project is financed in part by the State of New Jersey's Clean Energy Manufacturers Fund, which is helping Princeton Power Systems to expand its state-of-the-art research and development and manufacturing facilities for next-generation power electronics.

## **About Princeton Power Systems**

Princeton Power Systems, founded in 2001, is a manufacturer of advanced power conversion products and alternative energy systems, with patented electronics that provide a more reliable and cost-effective means for converting electric power cleanly and efficiently. The company has solutions for renewable energy, distributed power generation, and military applications. Princeton Power Systems products reduce energy consumption, lower peak electric usage, and provide clean, renewable energy sources with superior performance.