



## PV Powered and Advanced Energy are Better Together at Solar International

Visit our product booth #1201 to see the complete line of PV Powered and Solaron inverter products that have **raised the bar on reliability from residential to utility scale.**

**Also, visit our services booth #3313** to learn about AE Global Certified Services, featuring SiteGuard®, to help you reduce LCOE and simplify operations and maintenance (O&M) for your entire PV system site.



*Updated PVP100kW commercial inverter*

## PV Powered Wins Stage 3 SEGIS Contract

PV Powered has been selected by the U.S. Department of Energy (DOE) to continue development work on lowering the barriers to adoption of solar energy on the utility grids of North America. Stage 3 is the final stage of the competitive portion of the Solar Energy Grid Integration System (SEGIS) program, and is focused on commercialization of the technologies developed under previous stages.

Key targets for this program include commercialization of new algorithms to optimize the energy harvest of the inverter and PV system, advanced communications technologies that enable distributed PV systems to communicate with power utilities, and next-generation controls functionality that will allow utilities to manage networks of distributed power sources. Leveraging a collaborative approach, PV Powered assembled a team of industry experts comprised of Schweizer Engineering Laboratories, Portland General Electric, and Northern Plains Power Technologies, to address the barriers to widespread adoption of PV.

"Our SEGIS developments have been extremely well received by our utility partners and customers," said Dr. Hans Betz, chief executive officer of Advanced Energy. "This program demonstrates once again that Advanced Energy and PV Powered are the innovation leaders in this industry."

## Frito-Lay Goes for the Gold with PV Powered and Solyndra



*1 MW Solyndra solar panel installation on the roof of Frito-Lay's Modesto, CA plant*

A fleet of PV Powered's new 260kW commercial inverters helped PepsiCo's Frito-Lay North America manufacturing facility in Modesto, Calif., achieve LEED® Existing Buildings Gold certification. The 1 MW installation uses Solyndra's innovative cylindrical thin film solar photovoltaic (PV) system on its rooftop and is the largest Solyndra installation in the United States.

"We chose PV Powered commercial inverters because they have the widest DC operating voltage range in the industry," said David Pascualy of Pacific Solar Energy, Pleasanton, Calif. "This makes PV Powered inverters the leading technical solution for use with modules such as Solyndra's CIGS thin-film arrays."

The project covers 247,000 square feet with approximately 5,600 panels. At peak production it will reduce the plant's electricity use from outside sources by 25% and reduce CO2 emissions by 1,000 metric tons per year.

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