

July 2010 Newsletter (/)



New PV Powered 35kW and 50kW Commercial Inverters



PV Powered is adding two new commercial inverters rated at 35kW and 50kW to its product line-up. These sizes enable installers and designers to more easily work within site-specific space limitations and provide an essential building block to complete larger projects. The products' clean and simple design features low component count and the company's innovative Smart Air Management™ system, which together provide the foundation for high reliability and long life. Like the larger PV Powered inverters, the PVP35kW and PVP50kW are designed for ease of installation and maintenance.

An exceptionally robust operating window delivers full power at 50°C at 295 VDC input. The 35kW boasts a 96.6% estimated peak efficiency while the 50kW has a 97.1% estimated peak efficiency. The PVP35kW and PVP50kW also feature a new dedicated performance monitoring section that is separated from the high power section of the inverter and can be factory configured with monitoring solutions from a range of third party providers.

Like all PV Powered commercial inverters, the PVP35kW and PVP50kW have been designed for 20+ year operating lifetimes, highest efficiencies, and the lowest cost of ownership in their class. PV Powered offers industry leading lead times of 6 weeks and all commercial inverters feature a standard 10-year nationwide warranty with an optional 20-year warranty.

The new 50kW inverter will be displayed at the InterSolar show in San Francisco in

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See us in San Francisco

Stop by our booth 7265 at [InterSolar 2010](http://www.intersolar.us/) (<http://www.intersolar.us/>), July 13-15 at Moscone Center, and let us show you our newest inverters.

We look forward to seeing you!

SEGIS Status Update

PV Powered has just completed Stage 2 of our participation in the U.S. Department of Energy's Solar Energy Grid Integration System (SEGIS) program. The SEGIS program brings together the best and brightest in the PV industry to develop innovations that increase energy harvest, reduce the cost of PV systems, and remove barriers to high levels of PV penetration on the grid.

July 2010, with commercial availability in Q3'10. The 30kW inverter will be available later in the third quarter.

Marty Fleet joins PV Powered as Canadian Regional Manager

Solar Industry veteran Marty S. Fleet has joined PV Powered in the new position of Sales and Business Development Manager, Canada. In this capacity, he will open a new regional sales office in Ontario and lead PV Powered's customer engagements in the fast-growing Canadian market.

Mr. Fleet has been in the power electronics industry since 1993, with a focus on solar power since 2002. Most recently, he was Satcon's Regional Sales Manager, responsible for commercial and utility-scale PV and FuelCell inverter business development in Canada and the northeastern United States.

"Marty is well respected in the industry and among his customers," said Erick Petersen, PV Powered vice president of marketing and sales. "He brings a wealth of solar market experience to PV Powered, and his appointment is timed perfectly to support our business expansion in Canada."

PV Powered Acquired by Advanced Energy



PV Powered, Inc. announces that it has been acquired by Advanced Energy Industries, Inc. (AE) of Fort Collins, Colorado. The acquisition brings together the two US-based industry leaders, creating the broadest grid-tied inverter

offering in the PV market, spanning residential, commercial, and utility-scale solutions.

"The employees and management of PV Powered are excited to be joining Advanced Energy," said Gregg Patterson, chief executive officer of PV Powered. "Both organizations share a common mission to deliver the innovations our customers are asking for in efficiency, reliability and uptime that will maximize the 20+ year financial returns of solar projects. We look forward to delivering the combined synergies of two industry leading companies to our customers."

Advanced Energy® develops transformer-less solar grid-tie inverters including 250kW, 333kW and 500kW products, solar cells, semiconductors, flat panel displays, data storage products, architectural glass and other advanced applications. PV Powered will continue to operate under the current management team as a wholly owned subsidiary of Advanced Energy, manufacturing, selling and supporting its full line of products from its Bend, OR facility. For more information on Advanced Energy, visit www.advanced-energy.com (<http://www.advanced-energy.com/>)

Recent PV Powered Installations

University of Toledo, installed Jan 2010



[Click here to read about results from the effort to date \(http://http://www.pvpowered.com/commercial/technology/\)](http://www.pvpowered.com/commercial/technology/)



Visit us at [pvpowered.com \(/\)](http://pvpowered.com/), [email us \(mailto:info@pvpowered.com\)](mailto:info@pvpowered.com), or call us at 541-312-3832 today to reset your own expectations about inverter performance and customer service.

Made in the U.S.A.



All PV

Powered products are designed and manufactured in the U.S. to meet the needs of the North American market. They are all fully compliant with the Buy American Act and qualify for projects funded by the federal stimulus package.



MW system, installed by Advanced Distributed Generation LLC, is a combination of 100kW and 260kW inverters connected by a

performance monitoring network. It will be owned and operated by Constellation Energy Projects & Services of Baltimore, Maryland, who in turn will sell the electricity that it generates back to the University under a 20-year power purchase agreement (PPA).

"We chose PV Powered inverters because we were looking for a cost-effective and highly-reliable American-made product with high efficiency. We like the inverters' simplistic and rugged design, and the responsiveness and quality of PV Powered's technical support exceeds that of any other inverter company that we've dealt with."

-- Keith Dandridge, Project Manager at ADG

ProLogis Distribution Warehouses, Portland, Ore., installed Jan 2010



This 2.4 MW utility-scale system is the largest

rooftopsolar installation in the Pacific Northwest. It includes of 100kW and 260kW inverters and will cover approximately 900,000 square feet on the rooftops of seven ProLogis distribution warehouses in the Portland area with innovative thin-film solar panels. Installed by Advanced Green Technologies, the project will be managed by

a joint venture between Portland General Electric (PGE) and U.S. Bank. The energy generated by this project will help PGE meet its commitment to providing 25 percent of its energy from renewable sources by 2025.

"The fact that we can build systems with a homegrown Oregon inverter technology is an extra benefit. But it is also critical that the system components perform and that they are designed to reduce maintenance costs, since we need to support our customers economically over the long haul. In that regard, PV Powered has proven to be a valuable technology partner."

-- Mark Osborn, distributed resources manager at Portland General Electric

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<http://www.recovery.gov/Accountability/inspectors/Pages/Home.aspx>

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