



For immediate release

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Emerson Network Power Enters Residential and Small Business Renewable Energy Market with New 5 Kilowatt Grid Tie Solar Inverter

Small, lightweight SPV-5.0 solar inverter offers exceptional power density, efficiency and reliability

Los Angeles, Calif. [October 14, 2010] — At the Solar Power International conference and expo, Emerson Network Power, a business of Emerson (NYSE:EMR) and the global leader in enabling *Business-Critical Continuity*[™], today launched the [SPV-5.0](#) grid tie solar inverter, marking the company's entry into the residential and small business renewable energy market. Building on Emerson's success in large industrial and utility scale applications, as well as control systems for solar power plants, the new solar inverter is reliable, easy to install and offers class-leading power efficiency and density for a 5 kW product.

The Emerson Network Power SPV-5.0 solar inverter is initially available for North America and other countries that require a transformer-based (galvanically isolated) model. A transformerless (non-isolated) version will follow to enable it to be used in accordance with the regulations in different regions of the world. Programmable to three output voltage levels from 208 Vac to 240 Vac, the new inverter has a peak efficiency of 96 percent, will meet California Energy Commission (CEC) weighted efficiency of 95.3 percent and maximum power point tracking (MPPT) efficiency greater than 99.5 percent.

With a lifting weight of just 38.5 pounds (17.5 kilograms), the SPV-5.0 is one of the smallest and lightest residential solar inverters available today. Combined with a host of other features – including a grid utility wiring box, digital controls and LCD display – the inverter is easy and fast to install and service, and it requires less space at the installation site. Reliability and performance are optimized by using independent multi-

string photovoltaic (PV) inputs (two at 15 A) with independent MPPT. This feature provides for a very flexible solar system configuration to accommodate varying installations and optimized energy harvesting from multiple strings or arrays.

The SPV-5.0 inverter can measure and record real-time and historical energy data from a connected PV array and wirelessly send this information to Emerson's upcoming Solar Monitor EEM1.0 with touch-screen color display, which can be located conveniently in the home or office. The LCD display shows the important real-time operational parameters and the screen can be customized by the installer or user.

The SPV-5.0 solar inverter carries an IP65 outdoor rating and is designed to meet the relevant critical safety specifications of the countries in which it is marketed. The inverter also meets EMI Class B standards for conducted noise and Restriction of Hazardous Substances (RoHS) directives, including the RoHS 6/6 lead-free standard. It features a 10-year warranty as standard with longer warranties available.

Samples of the Emerson Network Power SPV-5.0 are available now.

For more information about the SPV-5.0, visit www.PowerConversion.com/products/websheet/433/SPV-5-0-Isolated-Solar-Inverter

A high resolution image of the SPV-5.0 is available at www.PowerConversion.com/assets/1287012872-st.jpg

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Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling *Business-Critical Continuity*[™] from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, infrastructure management, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians. For more information on Emerson Network Power's embedded power products and services for original equipment manufacturers and system integrators visit www.Emerson.com/EmbeddedPower. Learn more about Emerson Network Power products and services at www.EmersonNetworkPower.com.

About Emerson

Emerson (NYSE:EMR), based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to provide innovative solutions for customers in industrial, commercial, and consumer markets through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2009 were \$20.9 billion. For more information, visit www.Emerson.com.

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