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## **American Solar Electric Now Offering New Inverter Solutions for Arizona Solar Electric Installations**

**Scottsdale, Ariz. – December 23, 2008** – Arizona homeowners can expect a new reliable, proven, and smart solution for photovoltaic (PV) solar electric systems. American Solar Electric now features a new line of inverters made by Fronius USA, LLC. Fronius unveiled their latest product line of grid-connected PV inverters, the IG Plus mid-October. The latest generation inverter is designed to give maximum energy harvest from every ray of sunlight, and is compatible with all of American Solar Electric's photovoltaic module offerings. New product features include the following:

- Three efficiency peaks. The unique automatic transformer switching function enables not one, but three efficiency peaks resulting in consistently high efficiency over a wide input voltage range.
- The Mix™ Concept on the 2 and 3 power stage inverters allows maximum power harvest out of partial load ranges, e.g. on cloudy days, through a clever combination of multiple power stages in each inverter.
- The optimized Module-Manager™ Software enables even more efficient MPP-tracking which is especially important for systems with thin film modules who's MPP can be a bit more challenging to track.
- Smart ventilation design keeps disruptive ambient factors away from the circuitry by drawing cool air through a filter screen on the back of the inverter where it is routed through a closed channel over the heat sink. This prevents contact between outside air and the circuit boards, while cooling the inverter components.
- The new power plug system allows for easy installation and service work by the separate mounting of connection-area and power stage unit. If service should be required, the connection compartment remains on the wall maintaining all settings and configurations.
- The Fronius IG Plus comes complete with an approved, built-in, lockable and load-breakable DC Disconnect.

New, larger power stages are available with this latest line of inverters. The IG Plus is available from 3kW to 12kW in a single inverter. American Solar Electric will begin installing its first IG Plus inverters in the first quarter of 2009.

**American Solar Electric, Inc.** is an Arizona-based design-build firm specializing in photovoltaic (solar electric) power systems for commercial, industrial, and residential applications. Headquartered in Scottsdale, the company is responsible for the installation of more than 5 megawatts of photovoltaic power in Arizona, statewide. American Solar Electric's approach includes system design, permitting, procurement, installation, interconnection, and commissioning. Additional information on the company's products and services is available on-line at <http://www.americanpv.com>.

**Fronius** develops, produces and distributes battery chargers, welding technology and inverters for photovoltaic systems worldwide. The Group has four production sites in Austria, the Czech Republic and Ukraine plus more than twelve sales subsidiaries in Europe and America - of these three new subsidiaries in Mexico, Canada and Italy - and more than 130 international representatives. The company employs 2221 employees worldwide, 1661 of whom are based in Austria. Fronius had sales of EUR 298.5 million in 2007 with an export share of 88.2%. The investment rate is 16.8% and the R&D rate is 6.8%. Fronius holds 469 patents. One third of all products sold are less than three years old. Additional information on the company's products and services is available on-line at [www.fronius-usa.com](http://www.fronius-usa.com).

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