



Power Integrations Supports Smart-Grid Metering Engineers With New Technical Microsite and Reference Designs

SAN JOSE, Calif., Sep 22, 2009 (BUSINESS WIRE) -- Power Integrations (Nasdaq:[POWI](#)), the leader in high-voltage integrated circuits for energy-efficient power conversion, today launched a new technical microsite, www.powerint.com/smartmeters, focusing on energy-efficient power supply solutions for utility meters used in smart-grid energy networks.

Utility companies are investing in the so-called smart grid as a way of monitoring, controlling, and managing electric power consumption in homes and businesses. The smart grid requires advanced metering solutions that can communicate with both the power company and the consumer - providing real-time information on energy use and cost. Smart meters help balance energy demand by allowing the supplier to implement incentive programs, such as variable pricing based on peak network loading. Utilities are also installing innovative network-connected devices that manage end-user power consumption. Customers are given pricing concessions in exchange for granting the supplier control of certain non-critical circuits.

Comments Silvestro Fimiani, product marketing manager at Power Integrations: "A reliable, high-efficiency power supply is absolutely essential for supporting the networking and control electronics used in smart meters and control equipment. Our new microsite delivers several power supply solutions that are ideal for the next generation of smart meters." Fimiani continues: "For example, using our [LinkSwitch^{\(R\)}-CV](#) primary-side control IC, designers can eliminate unreliable optocouplers from their power supplies and minimize the number of components required. Power Integrations' Design Idea [DER-213](#) describes a supply that delivers both 5-volt and 12-volt outputs from a universal 85- to 265-volt input, with high efficiency and conducted EMI meeting CISPR22B/EN55022B specifications."

Power Integrations offers a broad range of highly integrated, high-voltage ICs for offline power conversion in utility and smart meter applications. Each IC includes a 700 V power MOSFET combined with control and protection circuitry on a single chip. Features include current limiting and thermal shutdown with automatic fault recovery capability to improve reliability, frequency jittering to reduce EMI, and *EcoSmart^(R)* technology to dramatically reduce standby energy waste.

Power Integrations' new smart metering microsite is available now at www.powerint.com/smartmeters.

About Power Integrations

Power Integrations is the leading supplier of high-voltage integrated circuits used in energy-efficient power conversion. The company's innovative technology enables compact, energy-efficient power supplies in a wide range of electronic products, in AC-DC, DC-DC and LED lighting applications. Since its introduction in 1998, Power Integrations' *EcoSmart^(R)* energy-efficiency technology has saved an estimated \$3.6 billion of standby energy waste and prevented millions of tons of CO₂ emissions. The company's [Green Room](#) web site provides a wealth of information about "energy vampires" and the issue of standby energy waste, along with a comprehensive guide to energy-efficiency standards around the world. Reflecting the environmental benefits of *EcoSmart* technology, Power Integrations is included in clean-technology stock indices sponsored by the [Cleantech Group](#) (Amex: CTIUS) and [Clean Edge](#) (Nasdaq: CELS). For more information, please visit www.powerint.com.

SOURCE: Power Integrations

Power Integrations, Inc.
Peter Rogerson, 408-414-8573
progerson@powerint.com
or
Billings Europe PR Agency
Nick Foot, +44 (0) 1491-636 393
nick.foot@billings-europe.com

Copyright Business Wire 2009