

Power Integrations Serves Industrial and Three-Phase Power Supply Applications with New 900 V InnoSwitch-EP ICs

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Safety-rated switcher ICs operate through line surges and swells

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced the addition of a 900 V device to its **InnoSwitch™-EP** family of off-line CV/CC flyback switcher ICs. The new device targets power supplies operating from high-voltage DC and three-phase power sources found in industrial, motor-drive, metering and renewable energy applications, and standard mains-voltage applications where continuous operation during line swells and surges is required. The **900 V InnoSwitch-EP** ICs are highly efficient – typically 85% for a dual output 18 W design – eliminating heat sinks and enabling highly compact power supply implementations.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20160322006554/en/>

900 V InnoSwitch-EP (Photo: Business Wire)

Explains David Chen, director of applications engineering at

Power Integrations: “Designers of high-voltage systems often have megawatts of power at their disposal, from which they may need to draw off a few milliwatts to feed a low-voltage microprocessor system, or a few tens of watts for inverter gate drivers. The new **900 V InnoSwitch-EP** devices drastically simplify the design of robust highly reliable power supplies operating from commonly available industrial voltages.”

Launched last year, Power Integrations’ InnoSwitch-EP IC family employs the company’s innovative, safety-rated **FluxLink™** magneto-inductive coupling technology and includes synchronous rectification with accurate secondary-

side regulation, resulting in highly efficient, reliable power supply circuits that do not need an optocoupler. The new **900 V InnoSwitch-EP** ICs feature an updated, integrated 900 V power MOSFET which provides a significant operating margin for 450 VAC industrial systems, increasing reliability and operational life. Working continuously with an input voltage of up to 450 VAC, an optional layer of protection – line UV/OV – prevents the IC from switching and protects the circuit up to 650 VAC. This flexibility is a huge benefit for designers of power supplies that suit all worldwide conditions.

900 V InnoSwitch-EP ICs enhance power-supply reliability by reducing BOM count to a minimum level and by eliminating optocouplers which degrade with time. Devices exceed all international energy-efficiency standards such as ENERGY STAR®, California Energy Commission and European Union Code of Conduct (CoC), ErP Directive, and the US Department of Energy standards. Devices are UL1577 and TUV (EN60950) safety-approved and EN61000-4-8 (100 A/m) and EN61000-4-9 (1000 A/m) compliant.

900 V InnoSwitch-EP samples are available now. Devices are priced at \$0.95 in 10,000-piece quantities. Reference design, DER-531, is available from the Power Integrations website at www.power.com/innoswitch-ep.

About Power Integrations

Power Integrations, Inc. is a leading innovator in semiconductor technologies for high-voltage power conversion. The company's products are key building blocks in the clean-power ecosystem, enabling the generation of renewable energy as well as the efficient transmission and consumption of power in applications ranging from milliwatts to megawatts. For more information please visit www.power.com.

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