

Power Integrations Expands Range of InnoSwitch3 ICs Incorporating Robust 750 V GaN Transistors

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PowiGaN technology permits manufacture of 94% efficient power supplies suitable for regions with frequent brown-outs and line surges

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced an expansion of its **InnoSwitch™3** families of offline CV/CC flyback switcher ICs. The new INN3x78C devices incorporate a smaller “size 8” 750 V PowiGaN™ transistor, enabling compact, efficient power supplies delivering between 27 W and 55 W without heatsinks. The ICs are housed in the same high-creepage, safety-compliant InSOP™-24D package as larger members of the GaN-based InnoSwitch3 families, which target up to 120 W.

This press release features multimedia. View the full release here:

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InnoSwitch3 ICs incorporating PowiGaN technology permits manufacture of 94% efficient power supplies suitable for regions with frequent brown-outs and line surges (Graphic: Business Wire)

Known for exceptional efficiency – up to 94% efficient across line and load, PowiGaN technology is also extremely robust, making

them highly resistant against line surges and swells commonly seen in regions with unstable mains voltage. This enables OEMs to specify a single power supply design to be used worldwide. Applications for the new parts include USB PD and high-current chargers/adapters for mobile devices, as well as set-top boxes, displays, networking and gaming products and appliances – especially those aiming to comply with the planned European Energy Labeling Regulation.

Comments Chris Lee, director of product marketing at Power Integrations: "We have experienced increased demand for our efficient AC-DC converter ICs with the highly robust 750 V GaN transistor. Simultaneous electrical strength and efficiency are difficult to achieve due to the relationship between Silicon MOSFET breakdown voltage and COSS-related switching loss. Our electrically strong PowiGaN transistors have very low COSS, so achieving over 94% efficiency and low field return rate from tropical markets is very straightforward."

Power Integrations' new InnoSwitch3 ICs are available now with InnoSwitch3-CP and InnoSwitch3-EP priced at \$2.95 in 10,000 quantities, and InnoSwitch3-Pro priced at \$3.25 in 10,000 quantities. Technical information is available from the Power Integrations website at www.power.com/innoswitch3.

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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