

NEWS RELEASE

Power Integrations Launches TinySwitch-5 ICs for High-Efficiency Power Supplies

2025-03-17

Fifth generation of iconic switcher family unleashes up to 175 W output and achieves 92 percent efficiency in classic flyback architecture

ATLANTA--(BUSINESS WIRE)-- **APEC 2025 – Power Integrations** (NASDAQ: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced **TinySwitch™-5**, extending the output power of the most popular family of integrated off-line switcher ICs to 175 W. The new TinySwitch-5 achieves up to 92 percent efficiency using basic diode rectification and optocoupler feedback.

Fifth generation of iconic switcher family unleashes up to 175 W output and achieves 92 percent efficiency in classic flyback architecture.

With more than six billion units sold around the world,

TinySwitch ICs are widely used in

bias and auxiliary supplies in appliance, computing, communications, industrial and medical applications. Designers have long appreciated TinySwitch products for their design simplicity and high efficiency—particularly at light load. TinySwitch ICs were the first to feature Power Integrations’ award-winning EcoSmart™ technology, which has saved an estimated 200 terawatt-hours of electricity since 1998 by slashing standby power waste.

TinySwitch-5 switcher ICs feature an advanced control engine which seamlessly manages switching frequency and power delivery to maximize efficiency, even at light loads. This enables power supplies that easily meet the light-load power consumption limit of 300 mW, set by the European Commission Energy-related Products (ErP) Directive 2009/125/EC, while still delivering up to 220 mW output power for display, controls and communications functions. An enhanced thermal package means that TinySwitch-5 ICs can deliver up to 75 W without a heatsink, and line under- and over-voltage protection ensures robustness for use in countries with unstable mains power.

Silvestro Fimiani, director of product marketing at Power Integrations, said: “TinySwitch has become the gold standard for small power supplies because of its efficiency and ease of use. With TinySwitch-5, designers can scale up to 175 W at maximum power, while easily achieving 220 mW of output and meeting the needs of appliance manufacturers subject to the European Union ErP-mandated 300 mW standby power rule.”

Availability & Resources

Pricing for TinySwitch-5 starts at \$0.35 for 10,000-unit quantities. Reference designs are available which describe: a 12 W single-output power supply (**DER-1017**); a 26.5 W dual-output power supply with excellent standby efficiency (**RDR-1016**); a 36 W single-output power supply with high efficiency at light load (**DER-1040**); and a 120 W power supply with 92 percent efficiency at 230 V AC (**DER-1027**). For further information, contact a Power Integrations sales representative or one of the company’s authorized worldwide distributors— **DigiKey, Newark, Mouser** and **RS Components**, or visit **power.com**.

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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Source: Power Integrations, Inc.