

Power Integrations' CAPZero X-Cap Discharge ICs Certified to Comply With New, Immediate & Mandatory IEC Safety Regulations

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Simple IEC-certified devices save time, cut design complexity and reduce cost

SAN JOSE, Calif.--(BUSINESS WIRE)-- **Power Integrations** (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced that its **CAPZero™** automatic X-capacitor discharge IC is now certified to meet **IEC CTL DSH 1080**, the new mandatory addition to the Certification Body (CB) scheme of the IEC60950 and IEC60065 standards governing X-capacitor discharge safety regulations. **CAPZero** ICs are simple, SO-8-packaged, two-terminal devices that require only the addition of discharge resistors to automatically implement the X-capacitor discharge function.

New power supplies must comply immediately with the **IEC CTL DSH 1080** requirement, which ensures that a power supply's X-capacitor safety-discharge function remains operational over the life of the product. CB-certified X-capacitor discharge devices such as **CAPZero** ICs pass a stringent safety-testing protocol including a lengthy period of high-temperature and high-humidity testing and high voltage line-surge testing. Power supplies using a certified X-capacitor discharge device are deemed automatically compliant. Power supplies not utilizing a CB-certified device, including those using discrete components or other non-certified ICs, must pass the same environmental tests as well as line-surge testing with all protection devices such as varistors and bulk capacitors removed. Any redesign would result in a need for re-certification of the power supply.

Comments Edward Ong , product manager at **Power Integrations**: "Our power-saving **CAPZero** ICs make IEC compliance simple and quick, saving considerable cost and effort for designers seeking to meet emerging no-load and standby requirements. **CAPZero** devices can be positioned before or after the system input fuse and are

suitable for a wide variety of power supply applications.”

The CB certificate, Nemko certificate, and Nemko test report for the CAPZero ICs, plus full supporting documentation are available at <http://www.powerint.com/en/products/capzero-family/capzero>.

About Power Integrations

Power Integrations, Inc., is a Silicon Valley-based supplier of high-performance electronic components used in high-voltage power-conversion systems. The company’s integrated circuits and diodes enable compact, energy-efficient AC-DC power supplies for a vast range of electronic products including mobile devices, TVs, PCs, appliances, smart utility meters and LED lights. CONCEPT IGBT driver systems enhance the efficiency, reliability and cost of high-power applications such as industrial motor drives, solar and wind energy systems, electric vehicles and high-voltage DC transmission. Since its introduction in 1998, Power Integrations’ EcoSmart® energy-efficiency technology has prevented billions of dollars’ worth of energy waste and millions of tons of carbon emissions. Reflecting the environmental benefits of the company’s products, Power Integrations’ stock is included in the NASDAQ® Clean Edge® Green Energy Index, The Cleantech Index®, and the Ardour Global IndexSM. For more information, including design-support tools and resources, please visit www.powerint.com; visit Power Integrations’ **Green Room** for a comprehensive guide to energy-efficiency standards around the world.

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Media Contact

Power Integrations, Inc.

Peter Rogerson, 408-414-8573

progerson@powerint.com

or

Press Agency Contact

BWW Communications

Nick Foot, 44 (0) 1491-636 393

nick.foot@bwwcomms.com