NEWS RELEASE

# Power Integrations Unveils 4th Generation of Pioneering CAPZero™ X-Capacitor Discharge IC Family

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CAPZero family increases available standby power and reduces no-load consumption without increasing design complexity for industrial and consumer markets

SAN JOSE, Calif.--(BUSINESS WIRE)-- **Power Integrations**™ (NASDAQ: POWI), the leader in high-voltage integrated circuits for energy-efficient power conversion, today expanded its industry-leading CAPZero™ family of X-capacitor discharge ICs with the introduction of the CAPZero™-4 device for industrial and consumer applications. Power Integrations pioneered the X-capacitor discharge function, which disengages the energy-consuming discharge resistor in an AC-DC power supply until the device is unplugged and the resistor is needed to safely bleed power from the X-capacitor.

The latest iteration, the CAPZero-4 family, reduces system no-load and standby input power by up to 1000 mW – critical when total system standby power requirements can be as low as 300 mW. This is achieved by a device which consumes less than 1 mW to support zero-watt no-load operation. It also features a wide operating temperature of -40 deg. C to 125 deg. C to support demanding outdoor industrial applications.

“CAPZero-4 makes it easy for our customers in industrial and consumer markets to meet increasingly stringent standby and no-load requirements,” said Edward Ong, senior product marketing manager at Power Integrations. “The fourth generation of our CAPZero technology delivers more of the available power to the load during standby. With its pin-to-pin and package compatibility with previous CAPZero devices, customers can adopt it without redesigning, making it an ideal solution across a wide range of markets.”

CAPZero-4 ICs meet the needs of the appliance, display, adapter, and industrial markets supporting AC-DC

converters with line-to-neutral input capacitance between 100 nF and 6 µF. It is ideal for appliances requiring ErP Lot 6 compliance and adapters requiring ultralow no-load consumption (less than 300 mW). By eliminating the losses typically caused by the X-capacitor bleed resistors, the technology increases the available standby power for embedded power supplies that must meet strict standby power limits. Since introducing the technology in 2010, Power Integrations has shipped more than one billion CAPZero ICs.

Key features include:

- Ultra-Low Power Consumption below 0.75 mW at 230 VAC, enabling solutions with zero no-load power.
- Extended Operating Temperature from -40 deg. C to 125 deg. C to support industrial, outdoor, and other harsh-environment applications.
- Drop-In Replacement through package and pin-compatibility with CAPZero-3, enabling easy migration to the new family. Designing with the CAPZero-4 is simply a matter of selecting the appropriate external resistor values to meet the necessary X-capacitor discharge time.
- Global Safety Compliance – designs using CAPZero-4 meet IEC 60335, EN/IEC 62368-1 (NEMKO), UL 62368-1, and GB 4943.1 (CQC) standards.

## Resources

For further information on CAPZero-4, please visit **https://www.power.com/products/capzero/capzero-4**

## Availability

The CAPZero-4 is in production and shipping to customers.

## 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, conversion and consumption of power in applications ranging from milliwatts to megawatts in applications such as AI data centers, EVs, and high-voltage direct current infrastructure. For more information, please visit **www.power.com**.

## Forward-Looking Statements

Certain statements included in this press release that are not historical facts are forward-looking statements within the meaning of the federal securities laws, including the safe harbor provisions under the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements generally relate to future events or the

Company's future financial or operating performance and are sometimes accompanied by words such as "believe," "continue," "project," "expect," "anticipate," "estimate," "intend," "strategy," "future," "opportunity," "predict," "plan," "may," "should," "will," "would," "potential," "seem," "seek," "outlook," and similar expressions that concern the Company's expectations, strategy, priorities, plans, or intentions, predict or indicate future events or trends, or that are not statements of historical matters. Forward-looking statements are predictions, projections, and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Forward-looking statements in this press release include, without limitation, statements about the introduction of the CAPZero-4 device, the benefits provided by the CAPZero-4 device, and the applications best suited for the CAPZero-4 device, among others. These statements are based on various assumptions, whether or not identified in this press release. These forward-looking statements are provided for illustrative purposes only and are not intended to serve as and must not be relied on by an investor as a guarantee, an assurance, a prediction, or a definitive statement of fact or probability. Actual events and circumstances are very difficult or impossible to predict and will differ from the assumptions. Many actual events and circumstances are beyond the control of the Company. The Company's expectations and beliefs regarding these matters may not materialize, and actual results in future periods are subject to risk and uncertainties that could cause actual results to differ materially from the forward-looking statements in this press release, including but not limited to: (i) the risks that the reduction in system no-load and standby input power may not be critical when total system standby power requirements can be as low as 300 mW to the extent anticipated, or at all; (ii) the risks that CAPZero-4 may not make it easy for the Company's customers in industrial and consumer markets to meet increasingly stringent standby and no-load requirements to the extent or in the time frame anticipated, or at all; (iii) the risks that customers can adopt CAPZero-4 without a redesign to the extent anticipated, or at all; (iv) the risks that the Company's CAPZero technology may not be the ideal solution across a wide range of markets to the extent anticipated, or at all; (v) the risks that CAPZero-4 ICs may not meet the needs of the appliance, display, adapter, or industrial markets to the extent or in the time frame anticipated, or at all; (vi) the risks that CAPZero-4 ICs may not be ideal for appliances requiring ErP Lot 6 compliance nor adapters requiring ultralow no-load consumption to the extent or in the time frame anticipated, or at all; (vii) the Company's ability to forecast its performance; (viii) changes in trade policies, in particular the escalation and imposition of new and higher tariffs, which could reduce demand for end products that incorporate the Company's integrated circuits and/or place pressure on the Company's prices as the Company's customers seek to offset the impact of increased tariffs on their own products; (ix) the Company's ability to supply products and its ability to conduct other aspects of its business, such as competing for new design wins; (x) changes in global economic and geopolitical conditions, including such factors as inflation, armed conflicts, and trade negotiations, which may impact the level of demand for the Company's products; (xi) potential changes and shifts in customer demand away from end products that utilize the Company's integrated circuits to end products that do not incorporate the Company's products; (xii) the effects of competition, which may cause the Company's revenue to decrease or cause the Company to decrease its selling prices for its products; (xiii) unforeseen costs and expenses; unfavorable fluctuations in component costs or operating expenses resulting from

changes in commodity prices and/or exchange rates; and (xiv) product development delays and defects and market acceptance of the new products. These risks and uncertainties may be amplified by current or future global conflicts and current and potential trade restrictions, trade tensions, and tariffs, all of which continue to cause economic uncertainty. You should carefully consider the foregoing factors and the other risks and uncertainties described in the “Risk Factors” section of the Company’s most recent Annual Report on Form 10-K and subsequent Quarterly Reports on Form 10-Q that the Company filed with the U.S. Securities and Exchange Commission, or the SEC, and other documents filed by us or that will be filed by us from time to time with the SEC. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Forward-looking statements in this press release are based only on information currently available to the Company and speak only as of the date they are made.

Investors are cautioned not to put undue reliance on forward-looking statements, and the Company disclaims any obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise, except as required by law. The Company gives no assurance that the Company will achieve any of its expectations.



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