

NEWS RELEASE

Power Integrations Launches Gate Drivers for 62 mm SiC and IGBT Modules with Fast Short-Circuit Protection

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Versatile, scalable gate drivers rated for 1200 V and 1700 V applications

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (NASDAQ: **POWI**), the leader in gate-driver technology for medium- and high-voltage inverter applications, today announced a new family of plug-and-play gate drivers for 62 mm silicon-carbide (SiC) MOSFET and silicon IGBT modules rated up to 1700 V, with enhanced protection features to ensure safe, reliable operation. SCALE™-2 **2SP0230T2x0** dual-channel gate drivers deploy short-circuit protection in less than two microseconds, protecting the compact SiC MOSFETs against damaging over-currents. The new drivers also include advanced active clamping (AAC) to protect the switches against over-voltage during turn-off, enabling higher DC link operating voltages.

Power Integrations launches gate drivers for 62 mm SiC and IGBT modules with fast short-circuit protection, rated for 1200 V and 1700 V applications. (Photo: Business Wire)

Thorsten Schmidt, product marketing manager at Power Integrations, commented: "The

2SP0230T2x0 gate drivers are flexible; the same hardware can be used to drive either SiC MOSFET or IGBT modules. This reduces both system design and sourcing challenges, and the plug-and-play approach speeds development."

Ideal for applications such as railway auxiliary converters, offboard EV chargers and STATic synchronous COMPensator (STATCOM) voltage regulators for the power grid, 2SP0230T2x0 gate drivers are based on Power Integrations' proven SCALE-2 technology, resulting in higher levels of integration, smaller size, more functionality and enhanced system reliability. Power Integrations' compact 134 x 62 mm 2SP0230T2x0 provides reinforced isolation at 1700 V, enabling use for up to 1700 V operation; this is 500 V higher than conventional drivers, which

are typically limited to 1200 V.

Availability

SCALE-2 **2SP0230T2x0** plug-and-play gate drivers are available for sampling now. Please contact your local sales representative for pricing.

For more information, please visit www.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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