

# Easy-to-Use SCALE-2 Plug-and-Play Gate Drivers from Power Integrations Suit Press-Pack IGBT Modules

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Flexible, robust, reliable; rated for 4500 V modules

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in gate-driver technology for medium- and high-voltage inverter applications, today introduced the **1SP0351** SCALE-2™ single-channel, +15/-10 V, plug-and-play gate-driver, developed specifically for new 4500 V press-pack IGBT (PPI) modules from manufacturers such as Toshiba, Westcode and ABB. Based on Power Integrations' widely used SCALE-2 chipset, the new gate-drivers are perfectly suited for high-reliability applications such as HVDC VSC, STATCOM/FACTS and medium-voltage drives.

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

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Easy-to-Use SCALE-2 Plug-and-Play Gate Drivers from Power Integrations Suit Press-Pack IGBT Modules (Graphic: Business Wire)

The **1SP0351** drivers are equipped with Dynamic Advanced Active Clamping

(DAAC), short-circuit protection, a built in DC-DC converter, regulated turn-on gate-drive voltage, DC-DC overload monitoring and supply-voltage monitoring. Active Miller Clamping is also included. The SCALE-2 ASIC chipset uses sophisticated digital control techniques to reduce component count by as much as 85% compared with conventional solutions, significantly increasing reliability.

Designed for ease of use, **1SP0351** drivers feature plug-and-play capability, which facilitates commissioning and allows immediate operation after installation. The inclusion of a simple two-pin power plug also simplifies operation, and conformal coating increases product ruggedness and reliability.

Comments Thorsten Schmidt, technical product manager at Power Integrations: "These drivers are the optimum drive solution for the industry's leading press-pack IGBT modules. Devices are rugged, reliable and simple to use."

The new 1SP0351 SCALE-2 gate drivers meet creepage and clearance specifications according to IEC standards (IEC 61800-5-1). They are available now priced at \$214.20 in 1,000-piece quantities. More information is available from the Power Integrations website at [www.power.com/products/scale-2-plug-and-play-drivers/1SP0351/](http://www.power.com/products/scale-2-plug-and-play-drivers/1SP0351/).

## 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](http://www.power.com).

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