

ISSUE: [June 2024](#)

Known-Good-Die Screening For SiC MOSFETs

[SemiQ](#) showcased its recently launched known-good-die (KGD) screening process and the latest addition to its QSiC family of high-speed-switching MOSFET half-bridge modules in S3 packages at PCIM Europe 2024 in Nuremberg. The KGD process delivers high-quality, electrically sorted and optically inspected advanced SiC MOSFET technology ready for back-end processing and direct die attachment. The half-bridge modules offer enhanced design flexibility and performance in current applications.

Featuring industry-standard 62-mm footprints and standing at 26.3 mm in height, the power modules address the size, weight and power demands of challenging applications, ranging from induction heaters, welding equipment and UPSs to photovoltaic and wind inverters, energy storage systems, high-voltage dc-dc converters and battery charging systems for electric vehicles. They are available in 600-A (GCMX003A120S3B1-N) and 400-A (GCMX005A120S3B1-N) models.

Visitors to the PCIM conference were also able to see SemiQ's QSiC family of 1200-V modules in SOT-227, half-bridge and full-bridge options.

Visit [SemiQ.com](https://www.semiq.com) for specifications and to request samples or volume pricing.