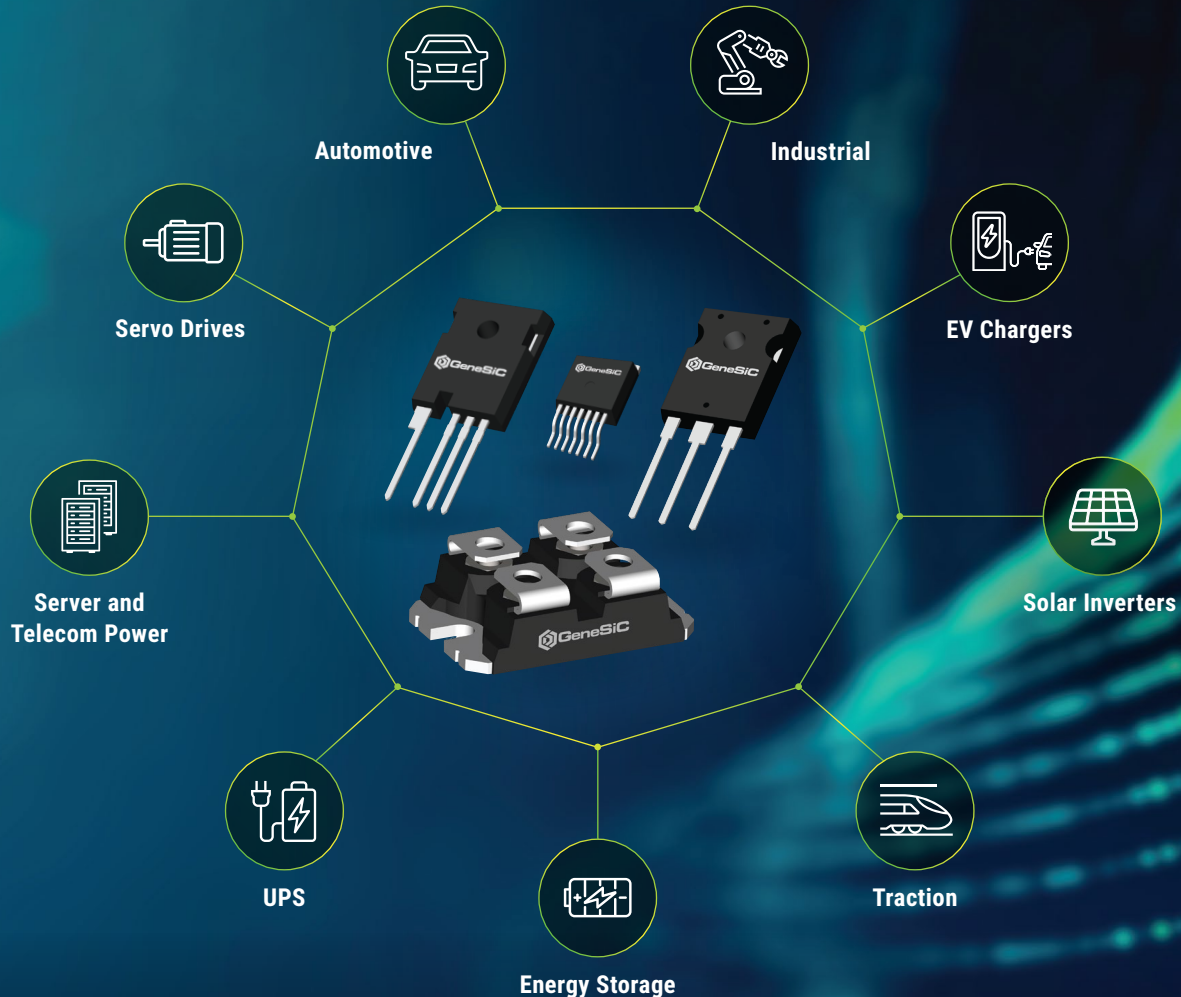


# Unparalleled **SiC MOSFET** Performance & Reliability

New G3R™ Series – **Evolved. Efficient. Robust.**



## Superiority of G3R™ Over Contemporary SiC MOSFETs

- ✓ Industry's **lowest** gate charge (**Q<sub>G</sub>**) and internal gate resistance (**R<sub>G(INT)</sub>**)
- ✓ **Lowest** R<sub>DS(ON)</sub> change with temperature
- ✓ **Low** output capacitance (**C<sub>OSS</sub>**) and miller capacitance (**C<sub>GD</sub>**)
- ✓ **100%** avalanche (**UIL**) tested during production
- ✓ Better **short circuit** withstand capability
- ✓ **High** and **stable** gate threshold voltage (**V<sub>TH</sub>**) across all temperatures and drain-bias conditions
- ✓ Advanced packaging technology for **lower thermal resistance** and **lower ringing**
- ✓ **Manufacturing uniformity** of R<sub>DS(ON)</sub>, V<sub>TH</sub> and breakdown voltage (BV)
- ✓ Comprehensive product portfolio and **safer supply** chain with **automotive-qualified** high volume manufacturing