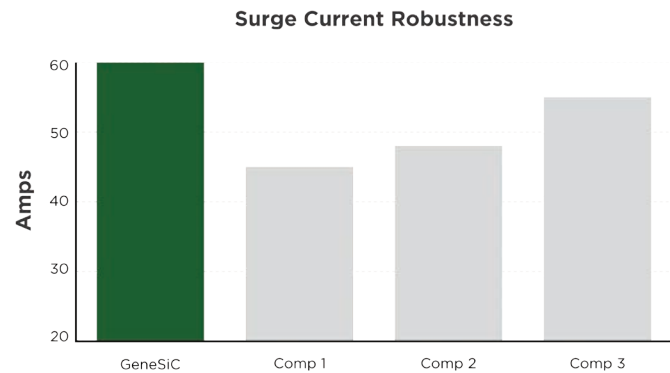
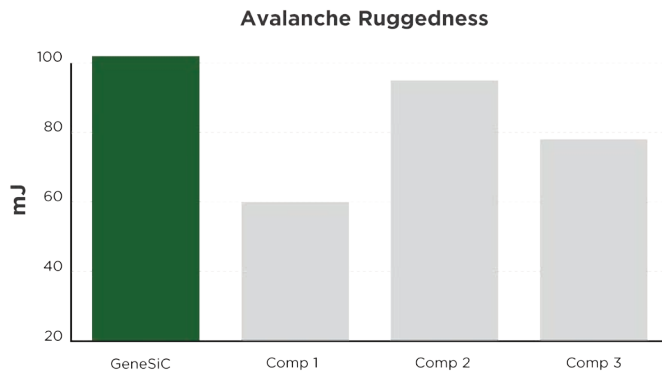




## Built to the Highest Level of Reliability

Gen-5, 650 V MPS diodes offer best-in-class robustness and ruggedness for applications demanding high surge current and avalanche capability, critical for fail-safe designs. All GeneSiC devices are 100% avalanche (UIL) production tested to ensure the highest level of ruggedness in over-voltage conditions.



## Typical Application Circuits

<b>Boost (Solar Inverter)</b>		Boost converters are used in Solar inverters to generate a fixed, higher DC voltage. SiC diodes in QFN8x8 and TO-252 offering highest efficiencies for <3 kW microinverters.
<b>CCM PFC</b>		For PFC applications such as continuous-current mode (CCM) that require fastest reverse recovery to minimize switching losses and increase system efficiency, the TO-220-2 offer excellent performance with high thermal dissipation.
<b>Interleaved PFC</b>		The TO-247-3 package offers great flexibility for higher power density and BOM reduction in applications like the interleaved power factor correction (PFC) that shares a common cathode between two diodes.

## Portfolio

$V_{RRM}$ (V)	$I_F$ (A)	PQFN 8x8	TO-252-2 DPAK	TO-220-2	TO-247-3
650	1				
	4	GE04MPS06Q	GE04MPS06E	GE04MPS06A	
	6	GE06MPS06Q	GE06MPS06E	GE06MPS06A	
	8	GE08MPS06Q	GE08MPS06E	GE08MPS06A	
	10	GE10MPS06Q	GE10MPS06E	GE10MPS06A	
	12	GE12MPS06Q	GE12MPS06E	GE12MPS06A	
	16				GE2X8MPS06D
	20				GE2X10MPS06D
24				GE2X12MPS06D	

With production lead times as low as 20 weeks, please contact your local field sales engineer at: [www.rellpower.com/locations](http://www.rellpower.com/locations)