

TECHNICAL BULLETIN

Microinverter Shut Down for Grid Irregularity Protection

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Chilicon microinverters include additional circuitry that protects the device in the presence of grid instabilities. While all microinverters sense key grid parameters and will disconnect if these exceed established limits, momentary irregularities in the grid can go undetected and result in significant current spikes that can damage the inverter.

The Chilicon microinverters contain sense circuitry that can respond to grid instabilities in <10 microseconds, shutting down and thereby protecting the device from latent or catastrophic damage. Normal operation will resume in approximately one minute.

While the graphical representation of energy output (as observed via the monitoring software) will show momentary dips, these are short lived and do not actually result in an appreciable decrease in overall system production.

Certain utilities and geographic areas seem more prone to these issues and for those cases this safety feature offers an extra level of system protection.



Protection Shut Down Events