



Harmonic Solutions

HarmonicGuard® Solution Center

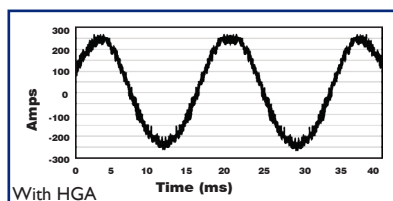
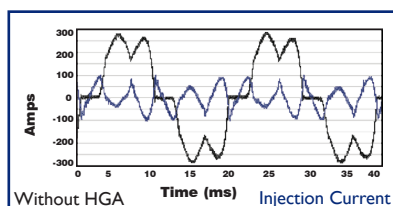
- TCI's expertise in an easy-to-use online sizing tool
- Apply multiple technologies to compare their impact on your system THD & power factor
- Determine IEEE-519 compliance



HARMONICGUARD®
SOLUTION CENTER

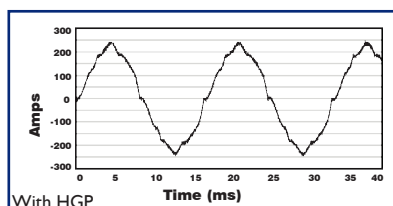
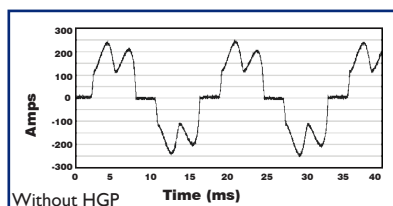
HarmonicGuard® Active (HGA) Filter

- Save money and space: a single bus-applied HGA can correct harmonics for multiple loads
- Reduce current harmonic distortion to less than 5% allowing you to meet IEEE-519 specifications
- Lower your energy bills by improving the power factor and overall efficiency of your system
- Easily monitor performance & remotely control the HGA with one of our communications options



HarmonicGuard® Passive (HGP) Filter

- Limit current harmonic distortion to less than 5% with background voltage distortion as high as 5%
- Meet IEEE-519 specifications and improve power factor & overall efficiency of your system
- Lower your energy bills by reducing harmonic current losses
- Save time: detect and repair blown fuses faster with the Fuse Monitor



KDR/KLR Line Reactor

- Extend your drive uptime by reducing the likelihood of the drive tripping
- Protect other equipment on the same bus from operational issues caused by voltage distortion
- Reduce overheating issues due to harmonic currents



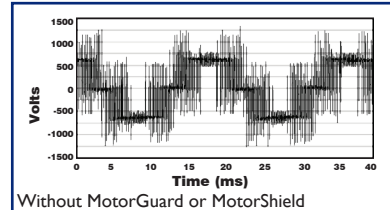


Motor Protection Solutions

MotorGuard™ Sinewave Output Filter

(for cable leads up to approximately 15,000 ft.)

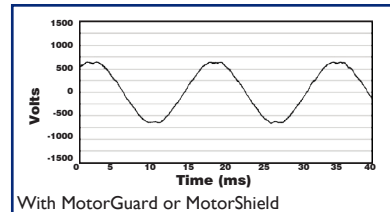
- Greatly extend the life of your motor and cable runs through reduction of motor noise, vibration and heat
- Increase productivity and reduce operating costs
- Universal acceptance covers a wide range of applications



MotorShield™ Sinewave Output Filter

(for cable leads up to approximately 15,000 ft.)

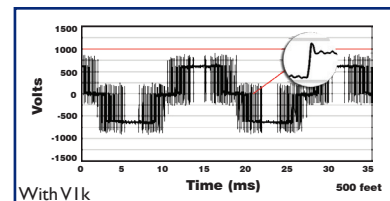
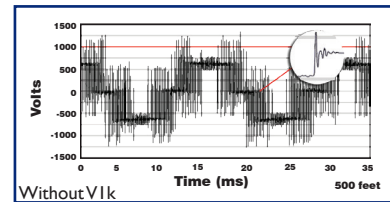
- Protect your motor and cable runs by reduction of motor noise, vibration and heat to improve system performance
- Resistor-less design is an ideal solution for fan and pump applications



Vik dv/dt Output Filter

(for cable leads up to approximately 1,500 ft.)

- Extend the life of your motor and cable by reduction of harmful voltage spikes due to dv/dt
- Protect cable runs and reduce motor heating, noise and vibration
- Prevent motor failure with protection against motor insulation breakdown



High Frequency Noise Solutions

KRF EMC Filter

- Filter EMI/RFI noise caused by power switching devices
- Prevent interference between automated lighting circuits, security cameras, and other critical electronics on your system

