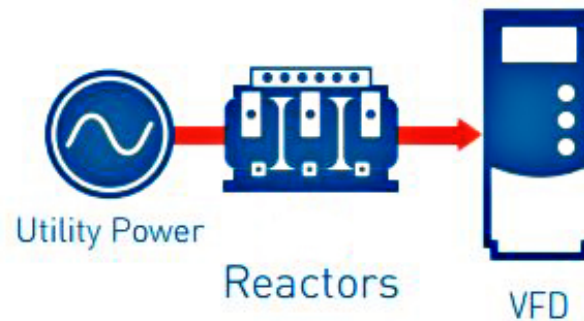


# KEEP THE GRID IN HARMONICS FREE ENVIRONMENT?

Our WAVEFORMS Input Reactors are best in power quality units with a proven performance for lowering harmonics caused by any 4 or 6-pulse rectifier, variable frequency drives (VFDs). They are harmonic compensated and protected to assure optimum performance in the presence of harmonics, and can help you meet IEEE-519 requirements.

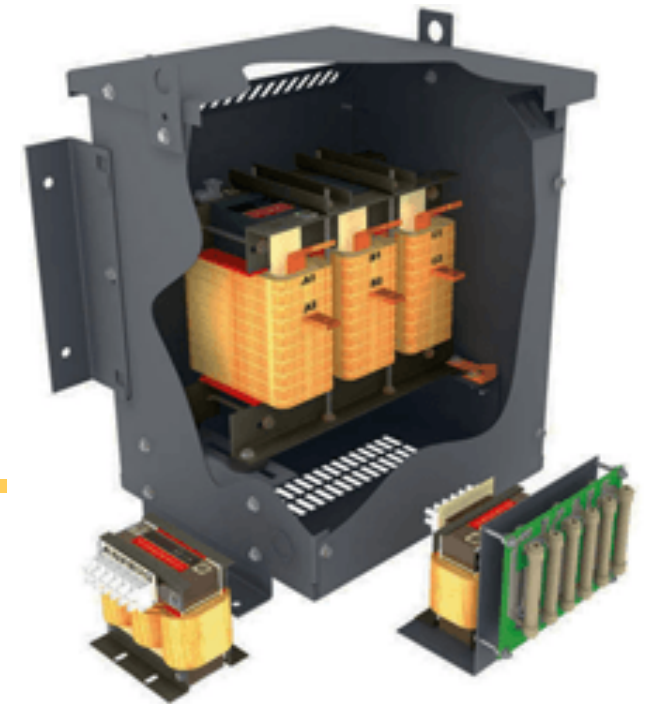
1. Provide surge protection for the VFD
2. Increased reliability and life span of the VFD Provide
3. some protection against overvoltage trips
4. A cost-effective solution to reduce harmonic distortion



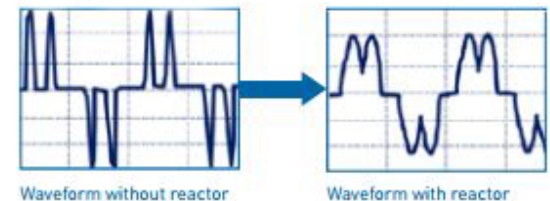
This product available for a full line of currents (1A to 1,500A) and a full line of impedance options (3% 5% and 8%). It is Rugged and robust, give you an easy solution that reduces nuisance tripping, reduces harmonic distortion and minimizes long lead effects. The resulting ITHD is reduced to < 40 - 50% and often as low as 30%..

## WAVEFORMS

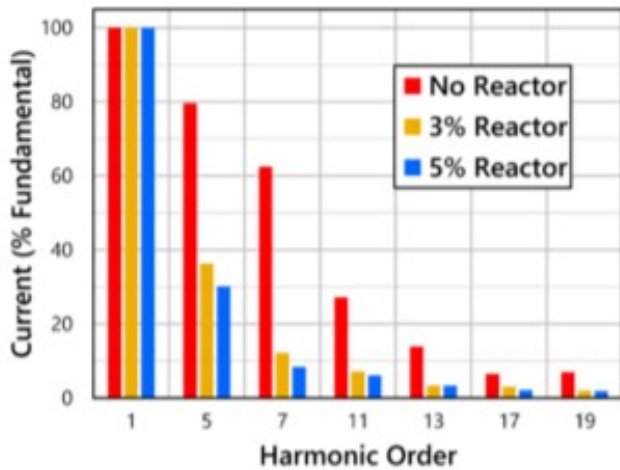
THE POWER YOU TRUST



LINE REACTOR:



## Harmonic Reduction



## Line Reactor Applications

**Drive Protection:** Line reactors absorb voltage spikes, voltage transients, and other power line disturbances, extending the life of motor drive electronics, bridge capacitors, and semiconductors.

**Minimize Nuisance Tripping:** AC voltage spikes lead to rapid rises in the DC Bus voltage, causing the inverter to shut-off due to over-voltage. Line reactors absorb voltage spikes, significantly reducing nuisance tripping.

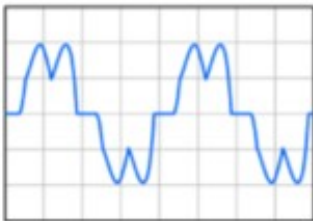
**Reduce Harmonic Distortion:** 6-pulse rectifiers are nonlinear loads that create significant harmonics; line reactors provide impedance to reduce harmonics.

**Protect Sensitive Equipment:** Line reactors also provide protection for nearby equipment sensitive to harmonics distortion created by nonlinear loads.

## Current Waveform

Without Reactor

With 5% Reactor



**REACH OUT**  
[waveformspower@gmail.com](mailto:waveformspower@gmail.com)

## PERFORMANCE SPECIFICATIONS

Impedance Levels	3%, 5% & 8%
Nominal Operating Voltage *	360V - 600V
Fundamental Frequency	50/60 Hz
Current Range	1 - 1,500 A
Overload Capability	150% rated current for 1 minute
Temperature Rise	100°C (180°F)
Ambient Temperature	-40 - 50C
Continuous Service Factor	Reactors rated 1 to 750 Amps - 150% of rating Reactors rated above 750 Amps - 125% of rating

**CONTACT US** ▲

**WAVEFORMS**

**NO 11/6, MUTHYAL STREET, LITTLE MOUNT, SAIDAPET, CHENNAI - 600015**