POWFROHM[®]

PRODUCT BROCHURE



Your source for best-in-class power quality product solutions



The rise of non-linear loads present unique network power challenges. Our expertise and resources ensure quality input and output power for heavy commercial and industrial application to help you meet IEEE519.

APEX Active Harmonic Filter

Powerohm's APEX active filter provide harmonic mitigation and dynamic response to balance out network power variations. Our active filter solutions prolong equipment life and reduce energy losses.

AC Line & Load Reactors

Protect your applications from harmonic issues with our standard line of AC line reactors. Reactors smooth powerline disturbances, improving power quality to help meet IEEE-519 requirements.

Harmonic Mitigating Transformers

Many of today's electronic devices generate non-linear loads with high levels of harmonic currents. Those harmonics are fed back onto your distribution system. These harmonics create sinewave distortions resulting in increased neutral current and potential overheating of motors and transformer resulting in possible equipment damage.

Harmonic mitigating transformers, using a special winding configuration, eliminate harmonics by pitting them against themselves. This technology provides an energy-efficient means to eliminate harmonic issues and provide cleaner power.







Dynamic Braking Resistors

When an application requires higher braking capability than a variable frequency drive (VFD) alone can manage, an external dynamic braking resistor (DBR) can increase the system's brake torque capability. Braking resistors dissipate power developed during braking to limit the bus voltage to the rated limit of the drive.

Dynamic Braking Module

When a variable frequency drive decelerates a load, regenerated power flows from the motor back to the drive. The resulting DC bus voltage rise may cause an overload. Powerohm's braking modules prevent VFD shutdown by monitoring the rising DC bus voltage and dissipating the regenerative energy via a braking resistor

Braking Module/Shunt Kit

Our shunt kit combines a dynamic braking module with a braking resistor in a common enclosure. They assist in managing regenerative energy beyond the capability of an internal shunt resistor.

High Resistance Grounding System

When a ground fault occurs, our digital high resistance grounding (HRG) system limits the fault current. It provides a current-limited ground connection to the neutral point of the power system, allowing continued operation until the fault is located and cleared. Our system is ideal for high value processes where down time is costly.

+ Also available:

Harmonic Filter Resistors • Neutral Grounding Resistors • Fan-Cooled Braking Resistors



POWERON











Count on Powerohm for the optimal solution for your application!

GET IN TOUCH:

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