



## Power Quality Solutions

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

# PQS™

**The rise of non-linear and challenging loads present unique network power challenges.** The combined expertise and resources of Acme Electric and Powerohm Resistors ensure quality input and output for your industrial and power conversion applications.

### **APEX Harmonic Filter**

Active harmonic filtering and dynamic reactive power compensation provides fast reliable response to balance out network power variations. Our effective Power Quality Solutions prolong equipment life and reduce energy loss.



### **Line & Load Reactors**

Protect your applications from harmonic disturbances with our standard line of AC line reactors. They absorb power line disturbances while improving power quality to meet IEEE 519 requirements.



### **Power Conditioning**

Constant voltage transformers provide an economical solution to many power quality problems. Ferroresonant transformer technology is ideal for applications where disturbances can cause equipment malfunction, loss of digital memory and inaccurate data. ACME's CVT's provide a regulated sinusoidal waveform, isolated from input disturbances including; transients, swells, sags, brownouts, and severe waveform distortion. ACME SCT's provide superior voltage regulation of  $\pm 3\%$ , even in brownout conditions and electrical noise attenuation capability of Common Mode: 120 db and Transverse Mode: 60 db.



### **Dynamic Braking Resistors**

When an application requires higher braking capability than what can be managed by a variable frequency drive (VFD) alone, custom dynamic braking resistors can be used to increase the brake torque capability of the system. Regenerative power developed during braking is dissipated in the braking resistors, maintaining the bus voltage below the rated limit of the drive.



## Braking Module/Shunt Kit

Manage excess regenerative energy at the DC bus. Our shunt kits combine braking choppers and braking resistors in common enclosures. For Servo Drive applications, they assist in managing regenerative energy beyond the capability of the internal shunt resistor.



## Dynamic Braking Resistors

Increase the braking torque capability of VFDs for faster and more controlled braking. Dissipate regenerated power to keep the bus voltage from exceeding the rated limit of the drive. Also suitable for load banks. We customize braking resistors to your ohm and watt requirements.



## High Resistance Grounding System

High resistance grounding (HRG) systems provide a current limited ground connection to the neutral point of a power system. In the case of a ground fault, the HRG will limit fault current and allow continued operation until the fault location is located and repaired.



### + Also Available:

- Harmonic Filter Resistors
- DIT Transformers
- Control Transformers
- Passive Harmonic Filters

# PQS™

Power Quality Solutions

Count on Hubbell PQS for the optimal solution for your application!

**ACME:**

☎ 1-800-334-5214  
✉ [pdpdtechsupport@hubbellacme.com](mailto:pdpdtechsupport@hubbellacme.com)

**PowerOhm:**

☎ 1-800-838-4694  
✉ [sales@powerohm.com](mailto:sales@powerohm.com)  
[www.hubbell.com/acmeelectric/en/PQS\\_Solutions\\_Page](http://www.hubbell.com/acmeelectric/en/PQS_Solutions_Page)

