



Commercial Construction and Industrial Automation



Active Filter Type: APM 100V 100 PF20
Serial Number: 1000000000
Rated Input Voltage: 480 V $\pm 10\%$
Rated Input Current: 100 A
Number of Input Phases: 3 phases + neutral
Rated Input Frequency: 60 Hz
Protection Type: IP 20
Cooling: Air
Weight: 100 kg
Standard: IEC
Manufacturer: Hubbell
Country of Origin: USA
Manufacturing Year: 2010

Power Quality Solutions



Ensure power quality for input and output in VFD motor drive and Servo applications with Hubbell PQS! Combining the resources of Acme Electric and Powerohm Resistors provides your one-stop source for “best in class” power quality products and services.





dV/dT and Sine Wave Filters

Removing the high frequency content and voltage peaks, our Sine Wave Filters transform the output of Variable Frequency Drives (VFD) to a near perfect sinusoidal waveform. Get best level motor protection out to 15,000 feet. Our dV/dT Filters limit voltage spikes and reduce common mode currents by increasing voltage rise time and slowing the current pulse cause by the pulse width modulation waveform of the VFD and the reflective wave phenomenon, up to 3,000 feet.



Line and Load Reactors

Protect both line and load side applications from harmonics with our Line/Load Reactors which absorb power line disturbances while improving power quality to meet IEEE-519 requirements. New designs provide best-in-class performance with lower losses and significant weight reduction.



APEX Active Harmonic Filters

A state-of-the-art controller built with a modern Level 3 IGBT Inverter topology, our APEX Active Filter provides <100 microsecond response time, a modular design for scalability plus a 7" touch screen user interface. The result is a fast, highly reliable and compact device that is easy to operate and complies with all standard communication protocols.



Drive Isolation Transformers

Specifically designed to handle the mechanical stresses, voltage distortion and harmonics associated with AC and DC variable speed drives, our Acme Drive Isolation Transformers deliver performance.

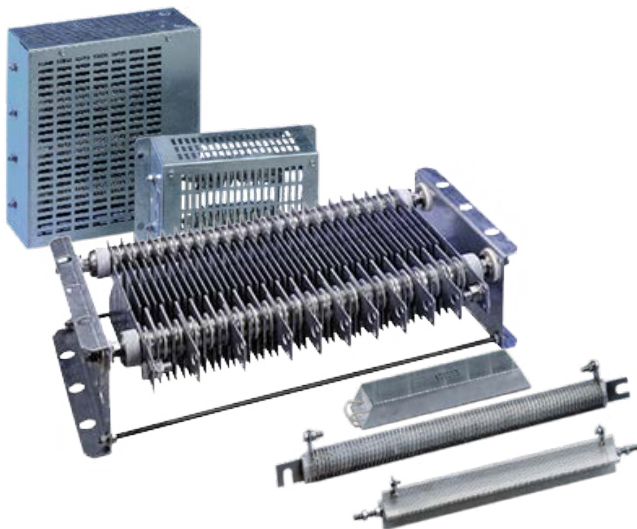
Dynamic Braking Chopper

VFD applications that require an external dynamic braking circuit to manage excessive regenerative energy during deceleration demand Powerohm Braking Choppers. Our products avoid VFD shutdown by monitoring rising DC bus voltages and efficiently directing the regenerative energy to a braking resistor. Incorporating IGBT switching technology, they operate at 208-720Vac and 9-1200A RMS. Communications options include Ethernet, Profibus and Modbus.



Braking Module/Shunt Kit

Manage excess regenerative energy at the DC bus in VFD applications with our Shunt Kits. These combine Powerohm Braking Choppers and Braking Resistors in common enclosures. For Servo Drive applications, they assist in managing excess regenerative energy beyond the capability of the internal shunt resistor. Operating parameters range 240-600Vac at 9-50A RMS. Enclosure options include galvanized, ANSI Gray and Stainless Steel.



Motor Control Power Resistors

Our Powerohm engineering staff design Motor Control Power Resistors with a wide array of construction types and ratings. This allows us to provide high quality packages that are cost efficient for your application. Stainless steel grids and wire active elements come standard with plated hardware.

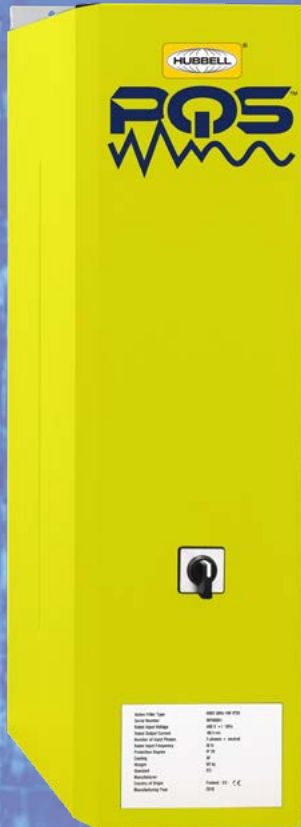


Dynamic Braking Resistors

Braking Resistors customized to your Ohm and Watt requirements are Powerohm standards across the product line. We utilize high quality stainless steel grids and wires to produce low coefficient of resistivity elements that remain within industry standard tolerance at ambient or operating temperatures. Standard NEMA1 rated enclosures are galvanized, featuring thermal switches and 2-point terminal blocks. Optional enclosures include NEMA3R and stainless steel.



***Count on Hubbell PQS for the experience
and expertise to provide the optimal solution
for your application!***



- ***Dynamic Braking Resistors***
- ***Dynamic Braking Choppers***
- ***Braking Modules***
- ***Shunt Kit***
- ***Motor Control Resistors***
- ***Harmonic Filter Resistors***
- ***Control Transformers***
- ***DIT Transformers***
- ***Line Reactors***
- ***Load Reactors***
- ***dV/dT Filters***
- ***Sine Wave Filters***
- ***Active Harmonic Filters***
- ***Passive Harmonic Filters***



Menomonee Falls, WI 800.334.5214
Hubbell Canada Inc. • 905-839-1138
Hubbell de Mexico, S.A. de C.V. • 52-55-9151-9999
www.hubbell.com/acmeelectric/en



5713 13th Street
Katy, Texas 77493
Phone: (281) 391-6800, Fax: (281) 391-6810
www.powerohm.com