Power/Vac® Metal-Clad Switchgear

ANSI Metal-Clad Switchgear for 5kV and 15kV Applications

PROVEN RELIABILITY
Power/Vac switchgear can be found all over the United States and around the world. For over 45 years, it has served in every type of electrical distribution system imaginable. From the mildest conditions to the harshest environments. Used in commercial facilities, municipal utilities, and some of the most unforgiving industrial installations, Power/Vac continues to meet your demands for reliable power distribution.

HIGH FLEXIBILITY AND LOW MAINTENANCE
Power/Vac incorporates design elements which combine the flexibility and safety of modular metal clad construction with the reliability and low maintenance of vacuum circuit breaker technology. Many standard configurations are available to meet your exact needs. Among these are:
- Cubicle depths ranging from 82” to 106”
- Special 77” high cubicles for low ceiling installations
- Maintenance / Bypass bus designs
- UL or CSA labeling for most applications
- Silver or tin plated bus
- Seismic qualification to IEEE693 and IBC (Zone 4)
- NEMA 1 indoor enclosure
- NEMA 1 gasketed (dust and rodent proof)
- Indoor drip proof (similar to NEMA12)
- NEMA 3R outdoor non walk in
- NEMA 3R outdoor protected aisle
- NEMA 3R outdoor common aisle

Available Ratings

<table>
<thead>
<tr>
<th>Voltage Class</th>
<th>Interrupting Rating</th>
<th>Continuous Current</th>
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<tbody>
<tr>
<td>5kV</td>
<td>31.5kA</td>
<td>1200A</td>
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<tr>
<td></td>
<td>40kA</td>
<td>2000A</td>
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<tr>
<td></td>
<td>50kA</td>
<td>3000A</td>
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<tr>
<td></td>
<td>63kA</td>
<td>3500A</td>
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<tr>
<td>8.25kV</td>
<td>40kA</td>
<td>4000A</td>
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<td>50kA</td>
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<td>63kA</td>
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<td>15kV</td>
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Standard bus bracing = 50kA
Heavy duty bus bracing = 63kA
Breakers available with 5 or 3 cycle interrupting time
OPERATOR SAFETY

Power/Vac switchgear is assembled per the stringent metal clad requirements of ANSI C37.20.2. The design segregates each high voltage compartment with sturdy 11 gauge steel. In addition to this robust construction, several options are available which help to increase operator safety and mitigate arc flash hazard. These include:

- Remote breaker control/relay panels
- Remote racking devices
- Infrared thermal scanning windows
- BriteSpot™ onboard thermal monitoring
- Arc flash sensing relays
- Onboard partial discharge sensing
- Reduced energy let through maintenance switches
- Safety takes a front seat when it comes to the design and construction of Power/Vac switchgear.

POWER/VAC CIRCUIT BREAKERS

Power/Vac circuit breakers are all rated K Factor = 1.0 and available rated through 4000A. The 4000A is forced-air cooled and available for indoor installations only.

TYPICAL ARRANGEMENTS

Indoor Construction

Outdoor Non Walk-In Construction

Outdoor Protected Aisle Protection