Power Xpert XGIS
Gas-insulated medium voltage switchgear

**Big where it matters, small where it counts.**

Critical power applications don’t leave any room for error. Mistakes or substandard functioning can be costly and dangerous. That’s why you need switchgear that is built to perform — and to last.

Power Xpert XGIS™ gas-insulated switchgear expands our market leading medium voltage switchgear portfolio to give you more options than ever before. From its compact design to enhanced personnel safety and low maintenance requirements, you owe it to yourself to see what our system can do for you.

Power Xpert XGIS switchgear provides a winning combination of excellent long-term value and low total cost of ownership paired with customers’ most-wanted features- with no sacrifice of functionality.

**Enhanced safety**
Sealed components increase reliability and enhance safety

**Small footprint**
Compact design for installation in areas with minimal floor space

**Low maintenance**
Virtually maintenance-free with no on-site gas handling
**Standards**

- Designed and tested in third-party labs to IEC and IEEE standards
- UL witnessed and STL certified to IEC 62271-100 and -200

**System**

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage</td>
</tr>
<tr>
<td>Lightning impulse withstand voltage</td>
</tr>
<tr>
<td>Power frequency withstand voltage</td>
</tr>
<tr>
<td>Rated frequency</td>
</tr>
<tr>
<td>Internal arc class</td>
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<tr>
<td>Loss of service continuity category</td>
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<tr>
<td>Earthing circuit</td>
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</tbody>
</table>

**Accessibility of compartments**

- Circuit breaker compartment: Interlocked-controlled
- Busbar compartment: Tool-based/non-accessible
- Cable compartment: Tool-based or Interlock-controlled
- External degree of protection: IP4X (IP41 as an option)
- Primary live parts (tank) degree of protection: IP66

**Busbar system**

- Rated normal current: 1250 A, 2000 A
- Rated short-time withstand current: 31.5 kA - 3 s
- Rated peak withstand current: 92 kA

**Circuit breaker ratings**

- Rated normal current: 1250 A, 2000 A
- Rated short-circuit breaking current: 31.5 kA
- Rated short-circuit making current: 92 kA
- Rated short-time withstand current: 31.5 kA - 3 s
- Breaking number of short-circuit current: 30

**Mechanism**

- Rated operating sequence: 0 - 0.3 s - CO - 15 s - CO

*Consult Eaton representative for higher ratings*

**Operating conditions**

**Normal operating conditions, according to IEC 62271-1 for indoor switchgear.**

**Ambient air temperature and humidity**

- Less than or equal to 40ºC (104ºF)
- Less than or equal to 35ºC (95ºF) on average over 24 hours
- Greater than or equal to -5ºC (23ºF)
- Relative humidity (for a period over 24 hours)

**Altitude**

- Less than or equal to 1000m**

**Storage Conditions**

In order to retain all of the functional units qualities when stored for prolonged periods, we recommend that the equipment is stored in its original packaging in dry conditions sheltered from the sun and rain at a temperature of between -20ºC and +56ºC.

**Exceptional service, globally networked**

Eaton’s network serves the world, bringing you global expertise and local support. Our global footprint provides the breadth of solutions customers need for most applications. We offer a global network of installation and support from responsive, local professionals. Our regional application, engineering and manufacturing teams can offer custom solutions to fit your specific needs. Whether it be for turnkey design, start up and commissioning or field service, Eaton will be there to support you every step of the way. Learn more at Eaton.com/XGIS