



MEDIUM-VOLTAGE GAS-INSULATED SWITCHGEAR



Overview:

MV Gas-Insulated Switchgear series delivers reliable medium-voltage switching and protection in a compact, maintenance-free enclosure. Designed for demanding power distribution environments, this SF₆-insulated metal-enclosed switchgear provides exceptional dielectric performance and operational safety across voltage classes from 12kV to 40.5kV.

Features:

- **Compact Footprint:** Reduced installation space requirements compared to conventional air-insulated designs
- **Maintenance-Free Operation:** Sealed SF₆ gas compartment eliminates routine insulation maintenance
- **Comprehensive Interlocking:** Integrated mechanical interlocks prevent operator error and ensure safe switching sequences
- **Wide Rating Range:** Continuous currents from 630A to 3150A with fault interruption up to 40kA
- **Flexible Voltage Classes:** Available in 12kV, 24kV, and 40.5kV configurations

Lead Time:

Approximately **18-30 months** after drawings approved.

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Parameters	Specifications		
Rated Voltage	12kV	24kV	40.5kV
Rated Current	630A – 3150A	630A – 3150A	630A – 3150A
Short-Circuit Breaking Current	16kA – 40kA	16kA – 40kA	16kA – 40kA
Insulation Medium	SF ₆ Gas	SF ₆ Gas	SF ₆ Gas
Enclosure Type	Metal-enclosed	Metal-enclosed	Metal-enclosed
Standards Compliance	IEC 62271-200, IEC 62271-1, IEC 62271-100, IEC 62271-102		

Applications:

- Utility substations and distribution networks
- Industrial and mining facility power systems
- Commercial high-rise buildings
- Rail and transit traction power systems
- Renewable energy collection substations
- Data center and critical facility distribution



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