



## MEDIUM-VOLTAGE AIR-INSULATED SWITCHGEAR



### Overview:

MV Air-Insulated Switchgear series provides robust medium-voltage switching and protection in a metal-clad, draw-out configuration. Featuring vacuum circuit breaker technology and compartmentalized construction, this indoor switchgear delivers safe, reliable power distribution for substations and industrial facilities across voltage classes from 3.6kV to 24kV.

### Features:

- **Draw-Out Design:** Interchangeable circuit breaker trolleys enable safe maintenance without full system shutdown
- **Vacuum Circuit Breakers:** Clean, maintenance-friendly interruption technology with high breaking capacity
- **Compartmentalized Construction:** Metal-clad enclosure with strict internal separation for enhanced safety
- **Five-Position Interlocking:** Reliable mechanical interlocks prevent unsafe operating sequences
- **Wide Rating Range:** Continuous currents up to 5000A with fault interruption up to 50kA

### Lead Time:

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

# MEDIUM-VOLTAGE GAS-INSULATED SWITCHGEAR

Parameters	Specifications	
Rated Voltage	3.6kV, 7.2kV, 12kV	24kV
Rated Current	630A – 3150A	630A – 3150A
Short-Circuit Breaking Current	16kA – 50kA	16kA – 31.5kA
Rated Frequency	SF <sub>6</sub> Gas	SF <sub>6</sub> Gas
Insulation Medium	Air	Air
Circuit Breaker Type	Vacuum (VCB)	Vacuum (VCB)
Installation	Indoor	Indoor
Protection Level	IP4X (shell)	IP4X (shell)
Standards Compliance	IEC 62271-200	IEC 62271-200

## Trolley Options:

- Circuit breaker trolley (VCB)
- Voltage transformer (PT) trolley
- Isolation trolley

## Applications:

- Utility substations and distribution networks
- Power plant auxiliary systems
- Industrial and manufacturing facilities
- Mining operations
- Commercial and institutional buildings
- Renewable energy collection substations

