

# Air-Insulated Ring Switchgear (3.6kV-36kV)

This cubicle-type fixed metal-enclosed switchgear is applicable for 3.6–36kV ring main unit power supply and biradial power supply systems. It can also be applied to terminal power supply or fitted into a cubicle-type substation for the control and protection of electric power.



## Overview

### High-Performance Air-Insulated Switchgear

The MXGN series air-insulated ring switchgear is engineered for medium voltage distribution networks, supporting voltage ranges from 3.6kV to 36kV. Designed with a modular architecture, it offers flexible configuration and robust construction suitable for substations, industrial plants, and commercial buildings. The system integrates advanced vacuum circuit breakers and comprehensive interlocking mechanisms to ensure reliable operation, efficient fault interruption, and enhanced operator safety.

## Technical Standards

### Compliance Standards

IEC 62271-200, IEC 62271-105, IEC 62271-102, IEC 62271-103

## Operating Environment

### Operating Conditions

Parameter	Limit
Ambient Temperature	-25°C to +40°C
Altitude	d 1,000m
Daily Relative Humidity	d 95%
Monthly Relative Humidity	d 90%

## Construction & Design

### Structural Features

- High-quality aluminum-zinc coated steel plate
- CNC processed for high precision
- Corrosion-resistant and lightweight
- Modular design for flexible configuration

## Safety & Maintenance

### Safety & Reliability

Safe Interlock System • Earthing Protection • Pressure Releasing Channel • Low Maintenance

## Performance Metrics

### Rated Voltage Range

**3.6 kV**

Min Rated Voltage

**36 kV**

Max Rated Voltage