

# 12kV Indoor Metal-Clad Withdrawable Switchgear

This indoor, metal-clad, withdrawable switchgear is designed for 3.6~12kV power systems requiring control, protection, and monitoring. It is suitable for power distribution in power plants, substations, and industrial enterprises.



## Product Overview

### High-Performance Medium Voltage Switchgear

This 12kV indoor metal-clad withdrawable switchgear is designed for robust power distribution and control in power plants, substations, and industrial facilities. It features advanced intelligent monitoring systems, including real-time partial discharge and temperature tracking, to ensure operational safety and reliability. Engineered for 3-phase AC 50Hz systems, this unit integrates comprehensive protection functions and mechanical interlocking for secure maintenance and operation.

## Technical Specifications

Rated Voltage	12 kV
Rated Current	630 A
System Frequency	50 Hz

## Intelligent Features

### Monitoring Capabilities

- Real-time partial discharge monitoring
- Plum blossom contact temperature monitoring
- Circuit breaker mechanical characteristic analysis
- Coil status monitoring (stuck, disconnected, short-circuit)

## Safety & Control

### Handcart Positions

Work • Test • Isolation

### Safety Mechanisms

Five-proof mechanical interlocking, Electrical interlocking, Microcomputer logic monitoring, Withdrawable handcart design

## Compliance

Compliance Standards	IEC 62271-200
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