

Gas Insulated Switchgear 145 kV

Gas Insulated Metal-Enclosed Switchgear is designed for electrical systems with three phases AC, 50HZ, and a rated voltage of 145kV. It utilizes sulfur hexafluoride (SF6) gas for insulation and arc quenching, suitable for indoor and outdoor installations.



Product Overview

ZF10-145(L) Gas Insulated Switchgear

The ZF10-145(L) GIS is engineered for high-voltage power systems operating at 145kV. It features a robust metal-enclosed design with three-phase main busbars sharing a common enclosure, ensuring reliability and safety. Suitable for both indoor and outdoor environments, it supports advanced digital control technologies for efficient grid management and maintenance.

Performance Metrics

Key Performance Metrics

145 kV

Rated Voltage

40 kA

Short-Circuit Breaking Current

50 Hz

Frequency

Service Conditions

Environmental Limits

Parameter	Specification
Indoor Temperature	-15 to +40
Outdoor Temperature	-35 to +40
Altitude	1000m
Max Wind Speed	35m/s
Icing Thickness	10mm

Standards & Compliance

Standards Met

GB7674-2008, IEC60517-1990

Technical Features

Creepage Distance

- 25mm/kV (Pollution Class III)
- 31mm/kV (Pollution Class IV)

Seismic Intensity Limits

- Horizontal acceleration: d0.4g
- Vertical acceleration: d0.2g