

550kV Gas Insulated Switchgear for Underground Substation

Gas insulated switchgear operates at 550kV. It is designed for high-voltage power transmission and distribution in underground substations.



Overview

High-Voltage Reliability for Underground Substations

This 550kV Gas Insulated Switchgear (GIS) is engineered for demanding underground substation environments, such as those utilized in major infrastructure projects like the Three-Gorges. Its compact, modular design incorporates essential high-voltage components—including circuit breakers, disconnectors, and transformers—within gas-tight, SF6-insulated compartments. This system provides a safe, reliable, and space-efficient solution for urban power transmission and environmentally sensitive locations.

Technical Specifications

Included Components

- Circuit Breakers
- Disconnectors
- Earthing Switches
- Current Transformers
- Voltage Transformers
- Surge Arresters

Rated Voltage	550 kV
Insulation Medium	SF6 Gas

System Features

Operational Capabilities

High-Voltage Transmission • Power Distribution • Maintenance Friendly • Scalable Expansion

Design Highlights	Modular Design, Gas-Tight Compartments, Compact Footprint, Underground Ready
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