420kV Gas Insulated Switchgear (GIS) System

This 420kV gas-insulated switchgear (GIS) system is designed for efficient power transmission and distribution. The system features a compact design with interconnected switchgear modules and gas-insulated busbars.

Overview

High-Voltage Power Transmission Solution

The 420kV Gas Insulated Switchgear (GIS) system is a high-performance solution designed for reliable and efficient power transmission and distribution. Featuring a compact design, this system utilizes multiple switchgear modules interconnected via gas-insulated busbars to optimize space within climate-controlled indoor substations. It integrates essential components including circuit breakers, disconnectors, and earthing switches, all insulated with SF6 gas for maximum safety and operational stability.

Technical Specifications

Rated Voltage

420 kV
Rated Voltage

Insulation Medium

SF6 Gas

System Components

Core Components

- Circuit Breakers
- Disconnectors
- Earthing Switches
- Instrument Transformers
- Gas-Insulated Busbars

Installation & Design

Installation Environment	Climate-controlled indoor substation
Design Features	Compact Design, Modular Construction, Interconnected Busbars

Application

Primary Application	Power transmission and distribution