

220kV Static Var Compensator (SVC) Station

This is a 220kV static var compensator (SVC) station designed for power grid applications. It provides voltage regulation and enhances power transmission efficiency.



General Overview

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The 220kV Static Var Compensator (SVC) station is a critical component designed for robust power grid management. It provides advanced voltage regulation and power factor correction capabilities to enhance transmission efficiency and overall system stability. Engineered for high-voltage environments, this station utilizes a capacitor bank to optimize electrical performance across the 220kV power grid.

Technical Specifications

Voltage Level	220 kV
Core Functions	Voltage Regulation, Power Factor Correction, Grid Stability, Transmission Efficiency

Equipment Details

Key Components

- Capacitor Bank
- Steel Support Framework
- High-Voltage Insulators
- Conductors
- Surge Arresters

Performance Highlights

220 kV

System Voltage