

500kV Power Substation

The 500kV power substation is a key component of a power engineering project. It facilitates voltage transformation and power distribution within the electrical grid.



Overview

Anfu Temple 500kV Substation

The Anfu Temple 500kV substation serves as a critical node in the Three Gorges power delivery channel, playing a vital role in both the Hubei and Central China power grids. This facility is engineered to provide robust voltage transformation and distribution to support regional grid development in Yichang City. It is designed to enhance grid stability and reliability, facilitating long-term connectivity with neighboring regional power networks.

Technical Specifications

Rated Voltage	500 kV
Grid Functionality	Voltage Transformation, Power Distribution, Grid Stability, Short-circuit Current Limitation

Key Infrastructure

Primary Infrastructure

- High-voltage Transformers
- Switchgear
- Overhead Transmission Lines
- Advanced Control Systems
- Protection Systems

Site Details

Geographic Context

7.5 km

Distance to Anfu Sizhen Center

Site Security	Yes
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