

High-Capacity Thermal Power Generation System

This high-capacity thermal power generation system uses advanced steam turbine technology. The system is designed for efficient energy conversion and incorporates multiple turbine stages and extensive heat exchange components.



Overview

High-Capacity Thermal Power Generation

This high-capacity thermal power generation system is engineered for large-scale energy conversion, utilizing advanced ultra-supercritical technology. Designed for continuous and reliable operation, the system integrates complex turbine stages and robust heat exchange infrastructure to maximize efficiency. It represents a significant milestone in power generation capabilities, suitable for demanding utility-scale applications.

Performance Metrics

Generator Capacity

1000 MW

Capacity

Technical Specifications

Operational Features

- Advanced steam turbine technology
- Robust piping infrastructure
- Multi-stage turbine design
- Extensive heat exchange components

Technology Type

Ultra-supercritical generator unit

Application

Primary Application

Large-scale power plants • Continuous operation • Utility-scale energy generation