

550 kV HVDC Converter Station Equipment

This high-voltage direct current (HVDC) converter station equipment is designed for converting alternating current (AC) to direct current (DC) and vice versa. It is critical for long-distance power transmission with minimal losses.



Product Overview

High-Performance HVDC Conversion

The ZHW-550 series 550 kV high-voltage equipment is engineered for critical power infrastructure, facilitating the efficient conversion between alternating current and direct current. Designed for long-distance power transmission, this system ensures minimal energy losses while maintaining grid stability. Built to withstand extreme electrical stress, these components provide reliable operation in the most demanding utility environments.

Technical Specifications

Rated Voltage

550 kV

Rated Voltage

Key Components

- Smoothing reactors
- Converter transformers
- High-voltage switchgear

Equipment Type

HVDC Converter Station Equipment

Safety and Compliance

Application

HVDC Transmission • Grid Stability

Insulation Medium

SF6