

Prefabricated Compact Substation

Prefabricated substations integrate high and low voltage switchgear and distribution transformers in a secure enclosure. These substations provide efficient power distribution, a reduced footprint, and easy installation for urban and industrial settings.



ADDITIONAL IMAGES



Overview

Prefabricated Compact Substation

This compact transformer substation is a fully integrated power distribution solution designed for efficiency and safety. It combines high-voltage switchgear, distribution transformers, and low-voltage switchgear into a single, prefabricated enclosure, significantly reducing on-site installation time and complexity. Built with durable materials like Al-Zn alloy coated steel, it offers reliable performance for both indoor and outdoor environments.

Key Features

Installation Process

- Fix the position
- HV incoming terminal wiring
- Protection setting verifying
- Transmission tests
- Commissioning

Safety & Construction

Complete insulation structure, No exposed live parts, Al-Zn alloy coated steel enclosure, Fireproofing materials, Internal dehumidifying device

Technical Specifications

Voltage Rating

24 kV

Rated Voltage

Integrated Components

Component	Function
HV Switchgear	Incoming/Outgoing power handling
Distribution Transformer	Voltage transformation
LV Switchgear	Low voltage distribution
Control Equipment	System monitoring and protection

Operational Benefits

Operational Advantages

Space-saving • Short installation period • Low cost • Flexible combination • High automaticity