

Outdoor Stainless Steel Power Distribution Substation

This outdoor substation features a compact structure and movable design with European architectural styling. It integrates high and low voltage electrical equipment and transformers for reliable power distribution.



Product Overview

Compact Power Distribution Solution

This outdoor stainless steel power distribution substation features a compact, European-style architectural design ideal for modern urban and rural landscapes. It integrates high-voltage equipment, a transformer, and low-voltage systems into a single, reliable, and easily maintained unit. Engineered for versatility, it is suitable for residential districts, industrial parks, commercial centers, and temporary power applications on construction sites.

Technical Specifications

Performance Metrics

50 Hz Rated Frequency	1250 kVA Max Rated Capacity	6300 A Max Rated Current (HV)
---------------------------------	---------------------------------------	---

Rating Breakdown

Item	HV Equipment	Transformer	LV Equipment
Rated Voltage (kV)	7.2, 12	6/0.4, 10/0.4	0.4
Rated Current (A)	200-6300	-	100-3000
Breaking Current (kA)	0.4-0.63	-	15-63

Application Areas



The modular and landscape-friendly design facilitates deployment in diverse settings from commercial complexes to industrial zones.

Primary Applications

Residential Districts, Industrial Parks, Commercial Centers, Urban Infrastructure, Rural Power Grids, Construction Sites, Mining & Oil Fields

Design & Construction



A robust stainless steel enclosure ensures durability and corrosion resistance for long-term outdoor operation.

Construction Details

- Stainless steel enclosure for corrosion resistance
- Compact architectural design
- Modular configuration for easy expansion
- Multiple access points for maintenance
- Integrated ventilation system