



HV/LV PREFABRICATED SUBSTATION

Integrated High Voltage • Transformer • Low Voltage Solution



A compact factory-assembled substation integrating the high-voltage compartment, transformer compartment and low-voltage compartment in one enclosure. Designed for efficient power distribution, fast site installation and reliable outdoor operation.

PRODUCT FEATURES

- Three-compartment integrated structure
- Compact footprint and convenient transportation
- Factory prefabrication for faster on-site installation
- Suitable for industrial, commercial and infrastructure distribution systems
- Enclosure protection verified to IP44
- Mechanical impact resistance verified to IK10

VERIFIED TEST HIGHLIGHTS

Verified Item	Result / Requirement
Enclosure protection	IP44
Mechanical impact resistance	IK10
Noise level	≤ 45 dB(A)
Measured noise	37 dB(A)
Enclosure mechanical strength	2500 N/m² minimum; measured 2600 N/m²
Insulation / grounding / temperature-rise tests	Qualified

TYPICAL APPLICATIONS

Industrial Plants Factory distribution and load centers	Commercial Facilities Buildings, campuses and complexes	Renewable Energy PV and distributed energy projects	Infrastructure Utility and municipal power distribution
---	---	---	---

Note: Rated voltage, transformer capacity, switchgear configuration, enclosure dimensions and protection scheme can be engineered according to project requirements. Final technical data shall be subject to the confirmed project specification.