



HV Switchgear

XGN66-12(Z) Fixed Metal-Enclosed Switchgear

XGN66-12 fixed enclosed switchgear is a new-generation HV assembly complying with GB 3906 (3–35kV AC metal-enclosed switchgear), DL/T 404 and IEC 62271-200 (AC metal-enclosed switchgear). Using foreign advanced technology, it is compact — only about 50% the volume of an ordinary cabinet — with a highly reliable breaker and a simple, reliable five-prevention interlock. For 3.6 / 7.2 / 12kV three-phase AC 50Hz single-busbar sectioned indoor assemblies — receiving and distributing power with control, protection and monitoring — used in power plants, substations, industry and high-rise buildings, and combinable with ring-network cabinets for switching stations.

MODEL DESIGNATION

XGN66-12(Z)

X	box-type	G	fixed-mounted
N	indoor	66	design series
12	rated voltage (kV)	(Z)	vacuum switch

TECHNICAL SPECIFICATIONS

Rated voltage	12 kV
Rated current	630 – 1250 A
Breaker	VS1 vacuum
Enclosure protection	IP2X
Rated frequency	50 Hz
Standards	GB 3906 / DL/T 404 / IEC 62271-200

KEY FEATURES

- ▶ Quality angle-steel welded cabinet; breaker room at the bottom for easy install, test and maintenance
- ▶ Rotary isolation switch — safe entry to the breaker room with the busbar live
- ▶ Door observation window; front low cable entry / exit for easy connection
- ▶ Standard VS1 breaker with pressure-relief channel for personnel safety
- ▶ Whole-cabinet IP2X; complete five-prevention mechanical interlock and reliable earthing

NORMAL OPERATING ENVIRONMENT

- ▶ Altitude ≤ 2000 m
- ▶ Ambient temperature -25 °C to +40 °C; 24h average ≤ +35 °C
- ▶ Installation tilt ≤ 3°; seismic intensity ≤ 8
- ▶ No severe vibration, shock or explosion hazard