



SF6 Ring Main Unit

XNRM6-12 SF6 Gas-Insulated Ring Main Unit

XNRM6-12 series fully-enclosed, fully-insulated inflatable (SF6) ring-network switchgear is a metal common-tank enclosed unit built from load-switch units, load-switch + fuse combination units, vacuum-breaker units and busbar-incoming units. Using advanced technology and materials, it offers excellent electrical and mechanical performance, is little affected by environment or climate, is compact, easy to install, maintenance-free, and combines flexibly with clear, intuitive operation. Its large feeder capacity suits a wide range of wiring systems.

MODEL DESIGNATION

XNRM6-12 / □

XNRM	SF6 gas-insulated ring-main unit	6	design series
12	rated voltage (kV)	□	unit configuration – select or combine
C	standard single-tank load-switch	F	load-switch + fuse combination
V	circuit-breaker	D	cable-incoming (no switch)
SL	bus-tie	M	metering
PT	voltage-transformer unit		

TECHNICAL SPECIFICATIONS

Rated voltage	12 kV
Rated current	630 A
Insulation medium	SF6 gas
Enclosure	3 mm stainless steel, laser-welded, fully sealed
Unit configurations	C / F / V / D / SL / M / PT (multi-unit)
Service life	up to 20 years, maintenance-free
Standards	GB 3906 / IEC 62271-200

KEY FEATURES

- ▶ Integrated three-position load switch (replaces isolator) — safer and more reliable
- ▶ Silicone-rubber cable plugs give fully-insulated sealed cable heads — immune to dust, damp and small animals
- ▶ Spring-energy mechanism, manual or motor operation; mimic-panel position indication
- ▶ Fully-sealed: all 10kV switches and busbar sealed in a 3mm laser-welded stainless-steel gas tank
- ▶ Mechanical interlock with live-line display, meeting five-prevention requirements
- ▶ Flexible schemes: left / right / top / front incoming and arbitrary unit combination