



Ring Main Unit

XGW-12 Outdoor Cable-Distribution Ring Main Unit

XGW-12/630-25 series outdoor ring-network cabinet is a gas-insulated outdoor RMU developed with foreign professional technology to suit China's regional distribution networks and urban cable-network renovation. It is built on an SF6 fully-sealed, fully-insulated ring-network switchgear platform — modular, extensible, fully-insulated, fully-sealed, safe, reliable and maintenance-free — suitable for harsh environments and widely used in industrial parks, residential areas, streets, airports, buildings and commercial centres. Standard voltage classes 12kV / 24kV, with optional distribution-automation for a smarter, stronger grid.

MODEL DESIGNATION

XGW-12 / H-□

XGW outdoor cable branch box
H ring-network type

12 rated voltage (kV)
□ switch type & quantity

TECHNICAL SPECIFICATIONS

Rated voltage	12 kV (24 kV optional)
Rated current	630 A
Short-circuit current	25 kA
Insulation medium	SF6 gas
Enclosure protection	IP67 (stainless-steel gas tank)
Installation	Outdoor, pad-mounted
Service life	over 30 years
Standards	GB 3906 / IEC 62271-200

KEY FEATURES

- ▶ High safety: all live parts sealed in SF6; five-prevention interlock; fully-insulated sealed cable connection
- ▶ Flexible schemes: left / right / down incoming, arbitrary combination, built-in busbar extension
- ▶ Optional motor operation and distribution-automation terminal with four-remote capability
- ▶ Gas-pressure monitoring with pressure-relief / arc-fault protection
- ▶ Stainless-steel robot-TIG-welded gas tank IP67 — for humid, dusty, salt, mining and polluted sites

NORMAL OPERATING ENVIRONMENT

- ▶ Ambient temperature +50 °C max, -40 °C min; daily average $\leq$ +35 °C
- ▶ Humidity: daily average $\leq$ 95%, monthly average $\leq$ 90%
- ▶ Wind speed $\leq$ 35 m/s; pollution level III; seismic intensity $\leq$ 8
- ▶ Installation tilt $\leq$ 3°; well-ventilated, free of fire / explosion / corrosive gas