

XGN80-12~40.5 Gas Insulated Switchgear



Safe

- Vacuum interrupt technology & low pressure gas insulation technology
- Metal-enclosed to protect against accidental contact
- Unaffected by the climate and environment condition
- Safe operation

Reliable

- Compact and synoptically design
- Standard components application
- Advanced manufacture equipments and process
- Strict quality control procedure
- Leakage rate $<0.5\%/y$, 95KV/5Min under zero relative pressure

Economical

- Small space and volume requirement
- Short installation time needed
- Long service period
- Virtually maintenance free
- Easy to extent from both side

Convenient

- Easy installation
- Light weight
- Good accessibility to all function units
- Friendly operation interface
- Comfortable and simple operation

Technical specification

Item	XGN80-12	XGN80-24	XGN80-40.5
Rated voltage	12 kV	24 kV	40.5 kV
Power frequency withstand voltage	65kV	65 kV	120 kV
Lightning impulse withstand voltage	125 kV	125kV	220 Kv
Rated frequency	50Hz	50Hz	50Hz
Rated current	2500A	2500A	2500A
Rated short circuit breaking current	40kA	31.5 kA	31.5 kA
Rated short time withstand current/ 4s	40kA	31.5 kA	31.5 kA
Rated peak withstand current	100 kA	80 kA	80 kA
Power frequency withstand voltage for 5 min.(relative pressure is zero)	65kV	65kV	95Kv
Mechanical life of VCB	20000 times	20000 times	30000 times
Insulated gas	N2/SF6	N2/SF6	SF6
Rated filling pressure (relative)	0.05 Mpa	0.05 Mpa	0.03 Mpa
leakage rate	<0.1%/y	<0.1%/y	<0.1%/y
Protection degree	IP65	IP65	IP65
Internal arc test	31.5kA/0.5s	31.5kA/1s	