

Product Overview and Features

XGN66-12 type

XGN66-12 type fixed enclosed switchgear (hereinafter referred to as switchgear) is our new generation of high-voltage electrical complete sets of products, in line with the national standard GB3906 "35KV AC metal-enclosed switchgear," the Ministry of Electric Power, DLT404 "indoor AC high-voltage switchgear ordering technical conditions," the requirements, but also to meet the international standard IEC60298 "1kV to. It also meets the requirements of international standard IEC60298 "Requirements for AC metal-enclosed switchgear and control equipment below 1kV and 52kV".

The product absorbs advanced foreign technology, it is small in size, only 50% of the size of an ordinary switchgear cabinet; the circuit breaker has the advantages of high reliability and good performance; "five-proof" interlocking machinery is reliable and simple. Switchgear is 3.6, 7.2, 12kV three-phase alternating current 50Hz single bus sectionalized indoor complete set of devices, as the acceptance and distribution of electrical energy. And has the circuit control, protection and monitoring functions, can be used in various types of power plants, substations and industrial and mining enterprises, high-rise buildings and other places, can also be combined with the ring network cabinet applied to the opening and closing of the house.

Model Meaning

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- Breaking current (KA)
- Rated current
- Rated voltage
- Design number
- Indoor
- Fixed
- Box type

Areas of application and environments of use

Widely used in urban power grid renovation, residential neighborhoods, schools and industrial and mining enterprises and other power distribution places, ring network power supply units and terminal equipment, plays a role in the distribution of electric energy, control and protection of electrical equipment, can also be installed in the pre-installed box-type substation.

1. The surrounding ambient temperature -25 ℃ ~ 40 ℃;
2. Altitude: below 1000m;
3. Humidity: average daily relative humidity does not exceed 95%; average monthly relative humidity does not exceed 90%;
4. Anti-seismic capacity of 8 degrees;
5. No violent vibration, corrosion, fire, explosion hazardous places.

Main technical parameters

Name	Unit	Parameters
Switchgear		
Rated Voltage	kV	3.6、7.2. 12
Rated frequency withstand voltage	kV	Phase to ground,Between phases : 42;Opening distance: 45
Rated lightning impulse withstand voltage	kV	Phase to ground,Between phases : 75;Opening distance: 85
Rated frequency	Hz	50
Rated current	A	630、1250
Rated short-circuit breaking current (peak)	kA	20、25、31.5
Rated short-circuit closing current (peak)	kA	50、63. 80
Rated dynamic stabilizing current (peak)	kA	50、63、80
Lightning thermal stabilizing current 4S (RMS)	kA	20、25. 31.5
Protection class		IP2X
Dimension(WXDXH)	mm	900x 1000x2300
Weight (WxDxH)	kg	≈600
Vs1- 12 type vacuum circuit breaker		
Rated Voltage	kV	12
Rated current	A	630 1250
Rated short-circuit breaking current	kA	2025 31.5
Rated short-circuit closing current	kA	50 63 80
Rated short-time withstand current(4S RMS)	kA	2025 31.5
Rated peak withstand current (peak)	kA	50 63 80
Mechanical life	time	10000
Rated short-circuit breaking current breaking times	time	50
Rated operation sequence		Switch off-0.35-Switch on-off180s-Switch on-off