

## XGN36-12 (DXG-12) AC Fixed Type Metal-clad Switchgear

### Summary

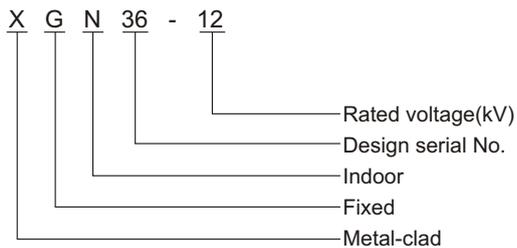
XGN36-12(DXG-12) switchgear is a new miniaturization power network equipment which introduced advanced technology and combine with our company real condition. With excellence of high grade, complete parameter, low price, few maintenance. It applies to 3.6~12kV three phase AC 50/60Hz single busbar or busbar sectional system for receiving and distribution power energy. It can widely used for electric power, metallurgy, petrification and urban construction.



### Ambient condition

1. Ambient temperature: -10°C~+40°C;
2. Altitude: ≤1000m;
3. Relative humidity: daily average ≤ 95%, monthly average ≤ 90%;
4. Earthquake intensity: ≤8 degree;
5. Applicable occasions should be free from inflammable, explosives and severe vibration.

### Model



### Structure feature

1. The panel is novel and complete function, not only with fixed panel isolate live busbar feature, but also convenient for maintenance, easily to exchange circuit breaker, thereby assure of maintaining safely and conveniently, meanwhile, choose primary plug in contact.
2. Main switch is miniaturization vacuum circuit breaker(introduce advanced technology). Choose large creeping distance porcelain enclosure vacuum arc extinction chamber, adopt air insulation. It suitable for rural network reconstruction and industrial enterprise specially, equipped with miniaturization disconnect switch, double functions for main knife switch and earthing switch, gear drive type.
3. Panel is combination type, without welding, without deformation, miniaturization volume. With reliable "five protection" in interlock function, compulsive mechanical interlock on rear and front door.

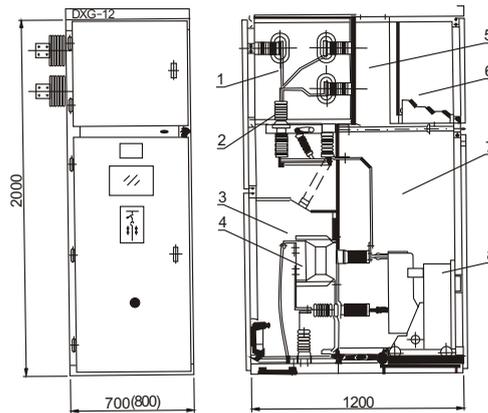
### Technical specification

No.	Item	Unit	Parameter
1	Rated voltage	kV	12
2	Rated current	A	400, 630, 1250, 1600, 2000, 3150
3	Rated peak withstand current	kA	31.5, 40, 50, 63, 80, 100
4	Rated short time withstand current(4s)	kA	12.5, 16, 20, 25, 31.5, 40
5	Rated short time current breaking time	Times	50
6	Mechanical life	Times	20000
7	Rated short time duration	s	4
8	Rated breaking current	kA	12.5, 16, 20, 25, 31.5, 40

9	Rated insulation level	1min P.F. Withstand voltage	kV	(Phase to phase, phase to earth)42, (Across open contacts)48
		Lightning impulse withstand voltage		(Phase to phase, phase to earth)75, (Across open contacts)85
10	Outline dimension (W × D × H)	General case type	mm	700(800) × 1200 × 2000
		Armoured type(without down isolate)		700(800) × 1400 × 2000
		Armoured type(with down isolate)		700(800) × 1400 × 2000
		Heavy current panel(2500-3150)		1000 × 1400 × 2200
11	Enclosure protection degree			IP3X

\*Outline dimension: Width: VHY1-12 , ZN73-12 or ZN28-12 type circuit breaker 1250A and below is 800mm, DZN-12 type circuit breaker 630A is 700mm, 1250A is 800mm.

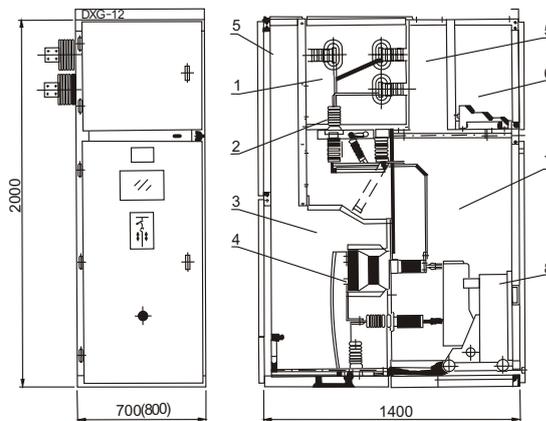
## Outline dimension



- 1.Busbar compartment 2.Disconnect switch 3.Cable compartment  
4.CT 5.Pressure release channel 6.Relay compartment  
7.Circuit breaker compartment 8.Vacuum circuit breaker

Diagram 1 DXG-12 General Case Fixed Switchgear

### Structure Diagram



- 1.Busbar compartment 2.Disconnect switch 3.Cable compartment  
4.CT 5.Pressure release channel 6.Relay compartment  
7.Circuit breaker compartment 8.Vacuum circuit breaker

Diagram 2 DXG-12 Armoured Fixed Switchgear

### Structure Diagram