

Technical Parameters

Name		Technical Parameter
Rated insulation voltage (V)		AC 660
Rated operating voltage of the main circuit (V)		AC 380
Rated operating voltage of auxiliary circuit (V)		AC 380、220
Rated Frequency (Hz)		50、60
Rated busbar current	Horizontal busbar (A)	10-1250A
Power frequency withstand voltage		1890V/1min
Compensation capacity		0kVar~200kVar
Enclosure protection rating		IP44
Power of transformer		50kVA-800kVA

Product Dimensions

Capacity (kVA)	L×W×H(mm)	Enclosure material	Weight (kg)
30、50、100、200	800×650×1200	304 stainless steel, SMC, etc.	200
400	1350×700×1200	304 stainless steel, SMC, etc.	300

Note: The above dimensions are standard sizes for State Grid. If other sizes are required, please communicate with the technician in advance.

Application Areas

It is used in power distribution systems with an AC 50Hz, a rated working voltage of 400V, and a rated working current up to 630A for power users in industries such as textiles and light industry, building materials, machining, transportation, hotels, restaurants, etc. It serves as a power source, motor control, and lighting.

GGD fixed AC Low Voltage Distribution Switchgear



Product Description

The GGD type AC low-voltage distribution switchgear is a newly designed low-voltage distribution switchgear based on the requirements of the Ministry of Energy, numerous power users, and design departments, adhering to the principles of safety, economy, rationality, and reliability. The product features high breaking capacity, excellent dynamic and thermal stability, flexible electrical schemes, convenient combination, serialization, strong practicality, innovative structure, and high protection grade. It can be used as a replacement for low-voltage switchgear assemblies. The GGD type AC low-voltage distribution switchgear complies with standards such as IEC439 "Low-voltage Switchgear and Controlgear Assemblies" and GB/T 7251 "Low-voltage Switchgear and Controlgear Assemblies".

Product Features

- The switchgear of the GGD type AC low-voltage distribution switchgear adopts a universal cabinet form, with its framework assembled through partial welding of 8MF cold-bent steel sections. It features installation holes in a 20-module pattern, resulting in high versatility.
- a. The GGD switchgear takes full consideration of heat dissipation. There are a varying number of heat dissipation slots at both the top and bottom of the switchgear. When the electrical components inside the switchgear generate heat, the heat rises and is discharged through the slots at the top, while cold air is continuously replenished into the switchgear through the slots at the bottom, forming a natural ventilation channel from the bottom to the top of the sealed cabinet to achieve the purpose of heat dissipation.
  - b. The GGD cabinet adopts the method of the golden ratio in designing its shape and the dimensions of its various parts in accordance with the requirements for the design of modern industrial product aesthetics, making the entire switchgear visually appealing and refreshed.
  - c. The top cover of the switchgear can be removed when necessary to facilitate the assembly and adjustment of the main busbar at the site. Lifting rings are installed at the four corners of the cabinet top for lifting and shipment.
  - d. The protection class of the switchgear is IP30, but users can also choose between IP20 and IP40 according to environmental requirements.



Technical Parameters

Name		Technical Parameter
Rated insulation voltage (V)		AC 660、800
Rated operating voltage of the main circuit (V)		AC 380、660
Rated operating voltage of auxiliary circuit (V)		AC 380、220
		DC 220、110
Rated Frequency (Hz)		50、60
Rated busbar current	Horizontal busbar (A)	400-4000A
Rated peak withstand current (kA)		30、63、105
Rated short-time withstand current (kA)		15、30、50
Enclosure protection class		IP20—IP40

Product Dimensions

Cabinet Dimension	Height mm	2200		
	Width mm	600	800	1000
	Depth mm	800、1000	600、800、1000	600、800、1000

Application Areas

The GGD fixed AC low-voltage distribution switchgear is suitable for power distribution systems with an AC 50Hz, a rated working voltage of 380V, and a rated working current up to 4000A for power users such as power plants, substations, factories, mines, and enterprises. It serves as a device for electric energy conversion, distribution, and control for power, lighting, and distribution equipment.

Vacuum Circuit Breaker

Product Description

The VXY-12 encapsulated pole indoor high-voltage vacuum circuit breaker (hereinafter referred to as the "circuit breaker") is an indoor switching device component with a rated voltage of 12kV and AC 50Hz. The product complies with standards such as GB1984-2014 "AC High-Voltage Circuit Breakers", JB3855-1996 "3.6-40.5kV Indoor AC High-Voltage Vacuum Circuit Breakers", DL403-2000 "Technical Specifications for Ordering 12-40.5kV High-Voltage Vacuum Circuit Breakers", and IEC62271-100/2003 "High-Voltage Alternating-Current Circuit-Breakers" published by the International Electrotechnical Commission. Its performance reaches the M2-E2-C2 level. As a protection and control unit for power grid equipment and power design in industrial and mining enterprises, the circuit breaker is suitable for switching various loads of different natures and for frequent operations, including situations where short-circuit currents are interrupted multiple times.



Product Features

- a. The circuit breaker employs a modular operating mechanism and an integrated energy storage handle, resulting in an overall layout that is reasonable, aesthetically pleasing, and concise.
- b. The electrical components are designed with a modular approach, making them easy to dismantle and facilitating the replacement of damaged components.
- c. The primary circuit of the circuit breaker employs encapsulation technology, which enhances its insulation performance and achieves maintenance-free operation.
- d. High durability: The circuit breaker meets the requirements of mechanical durability class M2 and electrical durability class E2.
- e. It possesses excellent interruption performance, ideally suited for switching inductive and capacitive loads.
- f. It is highly versatile and compatible with mainstream switchgear, and can also be used independently. It is interchangeable with domestic similar products.
- g. Both fixed and withdrawable installation units meet the different requirements for assembling the cabinet and circuit breaker.