



AGW-12/24 type

Series cabinet type substation



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General Description

AGW-12/24 outdoor distribution switching substations can be installed with FTU、RTU to realize the distribution automatization to reach the “Four Controls” in orders respectively by different quantities of leading-in cabinets, leading-out cabinets, PT cabinets, measuring cabinets, connection cabinets and circuit breaker cabinets etc. according to users’ demands. The automatic temperature control and air removing-out device, heating-up and dew-proof devices can be installed inside the cabinet. The appearance and dimension are decided by users.

Specification

No.	Item	Unit	Parameters		
			II	III	IV
1	Rated voltage	kV	12	24	
2	Rated current (LBS unit/CB unit)	A	630, 1250, 1600		
3	Rated frequency	Hz	50/60		
4	1min power frequency withstand voltage	Common Value	kV	42	50
		Across insulate distance	kV	48	60
5	Lightning impulse withstand voltage	Common Value	kV	75	125
		Across insulate distance	kV	85	145
6	Protection degree (External case/ switchgear)		IP33/IP2x		
7	Rated short time withstand current	Major loop	kA	20/31.5 (External case/ switchgear)	
		Earth loop	kA	20	
8	Rated short circuit continues time	SF6 LBS	kA	20/2s	
		Vacuum CB	kA	31.5/4s	
9	Rated peak value withstand current	kA	50/80 (External case/ switchgear)		
10	LBS/CB/Earth switch life time	Times	2000/10000/1000 times		

Cabinet Appearance



Note: The detailed parameters depend on the equipment in the cabinet.

Service Conditions

- A) Altitude \leq 2500 meters;
- B) Ambient temperature between $-45^{\circ}\text{C} \sim +55^{\circ}\text{C}$, the maximum temperature difference $\leq 25^{\circ}\text{C}$;
- C) Keep away the places with frequently intensive shake or permanent corrosion.

Test Report

