

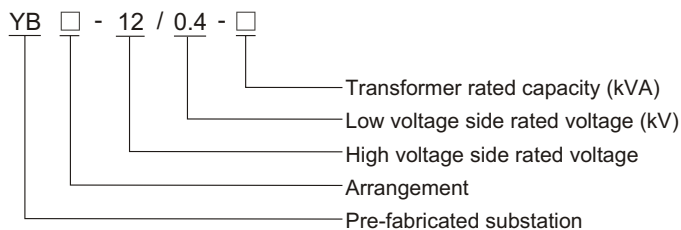
YB□-12 European Type Substation

Composition

The covering material are: colored steel plate, cold rolled plate, stainless steel, glass-fabric special cement, aluminum alloy and copper aluminum zinc plate.
The insulating medium of medium voltage switch device: SF6, atmosphere and vacuum. transformer: oil and dry mode. Low voltage power device-main switch: universal breaker, intelligent breaker and outgoing switch. No flashover plastic switch, automatic reactive capacity. capacity with no touched point and connector can be throw in and throw out.



Model



Product feature

1. There are automatic temperature controlling device, exhaust blower, heating and dew against device in the substation.
2. Characteristic: Fastness, heat insulation, ventilation, good performance, guards against the micro-organisms, moisture proof, nice looking, convenient maintenance, occupies little ground and so on.
3. At the high voltage side, use breaking switch and current limited fuse as the protector for the transformer. When the current limited fuse was fused, the three-phase load breaking switch will cut off. The high voltage side also can adopt the vacuum breaker as the protector.
4. At the bottom of the transformer, the pony truck can be installed, which can pass in and out freely for the inspection.
5. The wiring and arrangement are various; In terms of different environment and condition, it can adopt different structures and covering material.

Ambient condition

1. Ambient temperature: -25°C~+40°C;
2. Altitude: ≤1000m;
3. Wind pressure: ≤700Pa;
4. Humidity: daily average ≤95%, monthly average ≤90%;
5. Pollution degree: IV;
6. Earthquake intensity: 8 degree;
7. Occasions without fiercely shake and corrosiveness, as well as without flaming and explosive matter, the verticality is no more than 3 degree.

Technical specification

No.	Item	Unit	High voltage unit	Transformer	Low voltage unit
1	Rated voltage	kV	12	12/0.4	0.4
2	Rated capacity	kVA		30~1600	
3	Rated current	A	630		100~2500
4	Rated cutting current	kA	50		105~63
5	Rated short time withstand current	kA	20/3		
6	Rated peak value withstand current	kA(peak)	50		30/1
7	Rated closing current	kA	50		63

No.	Item	Unit	High voltage unit	Transformer	Low voltage unit
8	Power frequency withstand voltage	kV/min	Phase-earth and phase-phase:42/1	35/1	2.5/1
			Across open contacts:48/1		
			10kV Cable AC withstand voltage phase-earth:25/15		
9	Lightning impulse withstand voltage	kA(peak)	Phase-earth and phase-phase 75	75	
			Across open contacts:85		
10	Protection degree		IP33		
11	Noise level	dB		≤55	

It adopt the S9(11)-M fully sealing transformer and SC9 solid-cast transformer, the capacity is: 30, 50, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600kVA.



Anti-corrosion wooden covering



Nonmetal covering



Aluminum alloy covering



Colored steel plate covering



Steel covering



Stainless steel covering