

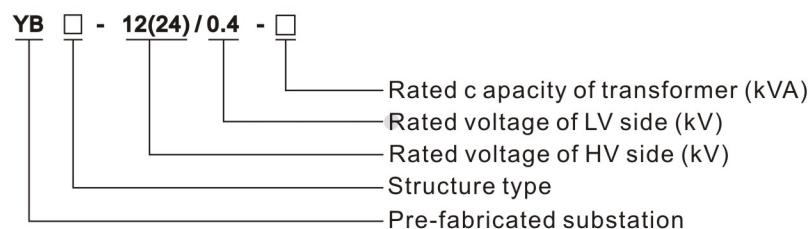
YB□ -12/24 Container Type Substation

Summary

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. High strength: special containers in full accordance with the container structure and size, there are integrated type and assembled type. It has high wind resistance, seismic performance, long service life;
2. Simple structure, easy installation, nice appearance;
3. The container adopts frame structure, with high wind resistance and seismic performance, which makes the whole cabin has high strength and long service life.
4. Insulation performance is good: use polyurethane (PU) and rock wool as insulation material, makes the thermal conductivity is low and the thermal insulation properties is good;
5. Flexible installation: can be factory assembled, the overall transport or parts transport site assembly methods;
6. The indoor equipment is perfect: indoor lighting system, ventilation system, monitoring system, fire extinguishing system and so on.

Ambient condition

1. Ambient temperature: -25~+40;
2. Altitude: 1000m;
3. Wind pressure: $\leq 700\text{Pa}$;
4. Humidity: daily average $\leq 95\%$, monthly average $\leq 90\%$;
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

1. Main technical parameters of the substation

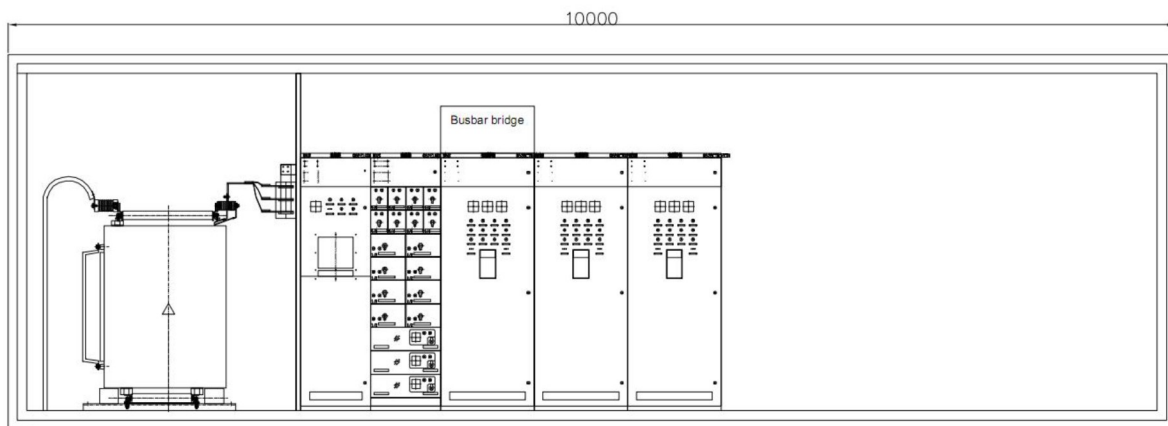
	Item	Unit	Data		
HV unit	Rated voltage	kV	12	24	
	Rated frequency	Hz	50/60		
	1.min Rated P.F. withstand voltage	to ground, between phases	kV	42	65
		between open contacts		48	79
	Rated lightning impulse withstand voltage	to ground, between phases	kV	75	125
		between open contacts		85	145
	Rated current	A	630		
	Rated short-time withstand current (4s)	kA	20		
Rated peak withstand current	kA	50			
Rated making current	kA	25			
LV unit	Rated voltage	kV	0.4		
	1.min Rated P.F. withstand voltage	kV	2.5		
	Rated lightning impulse withstand voltage	kV	7.4		
	Rated current	A	20~3200		
	Rated short-time withstand current	kA	30	50	
	Rated peak withstand current	kA	63	105	
Transformer unit	Voltage ratio	kV	10/0.4	20/0.4	
	Model		S11,S13,SC(B)10,SC(B)11,S(B)H15,etc.		
	Rated capacity	kVA	30~2000		
	Rated tap		±5%; ±2×2.5%		
	Connection symbol		Dyn11 or Yyn0		
	1.min Rated P.F. withstand voltage	kV	HV:42	HV:50	
	Rated lightning impulse withstand voltage	kV	75	200	
	Protection grade of enclosure		IP33D		

2.Main technical parameters of the container

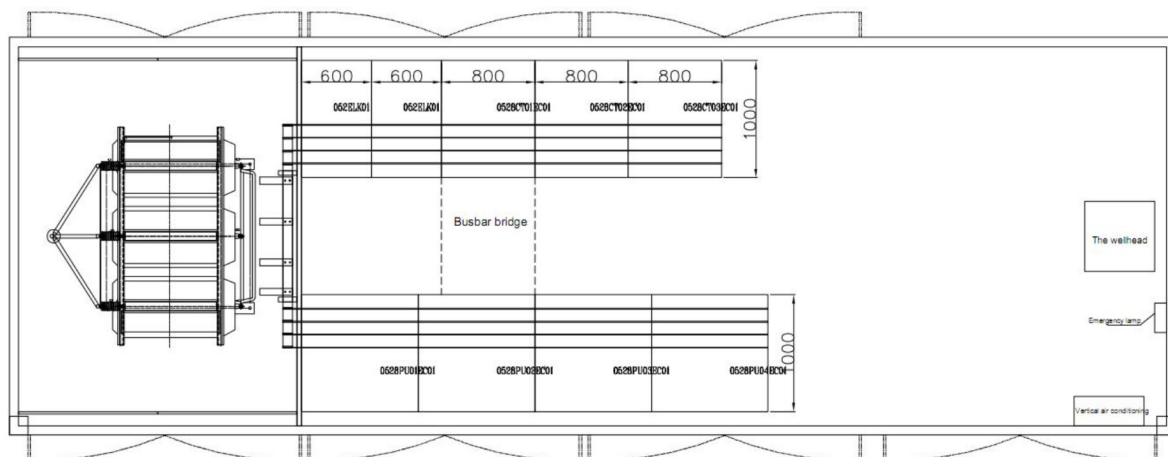
	Item	Data	Remark	
Container	Operating temperature	-50 ~ 85℃		
	Humidity range	0 ~ 95% (Non-condensate)		
	Wind-resistant performance	Bear the wind speed ≤45m/s (reference: the wind speed of 12 class typhoon is 32.7m/s)		
	Shock strength	Above 10 class earthquake		
	Waterproofness	Spray 30 minutes under 0.2MPa water pressure, without infiltration.		
	Fireproof performance	Meet the A class of GB/T2826 standard		
	Anti-salted property	Meet the GJB870-90 standard		
	Heat-shielding performance	Thermal conductivity of PU insulation board ≤0.024w/m.k		
		Thermal conductivity of rock wool insulation board ≤0.041w/m.k		
	Carrying capacity	≥600Kg/m ² (maximum ≤1500Kg/m ²)	Customized by actual needs.	
	Earthing resistance	≥10Ω		
Protection grade	IP56 (Outdoor)			
Service life	≥30 years			
Accessories	Distribution box	Input 380V 160A		
	Illuminating system	Ceiling light 220V 36W×4		
	Five-hole socket	16A 2 pieces		
	Emergency light	220V 6W 90mins		
	Fire extinguisher	3kg carbon dioxide fire extinguisher, 1		
	Flat plate type electric heater	220V 2kW		
	Smoke sensor	12V 2 dry contacts		
	Door control system			
	Monitoring system			
	Exhaust fan	220V 45W 325m ³ /h 2 pieces		
	Air conditioner	1.5P hang-type or 2-3P stand-type air conditioner		
	Pass line window	Φ28mm hole 18pieces		
	Cable bridge	400 model		

Note: Please consult with the manufacture for details.

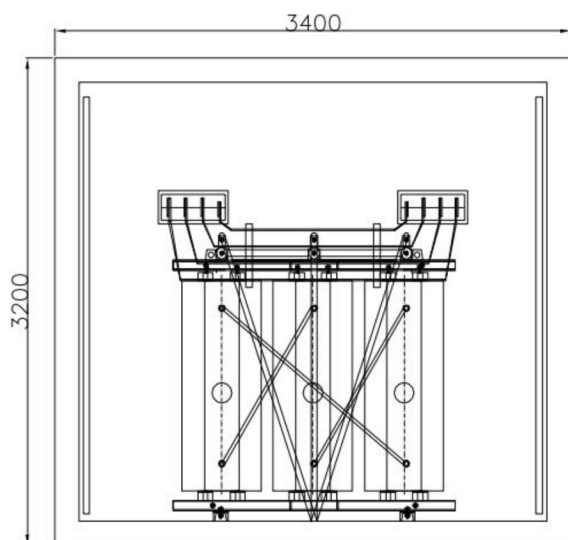
Outline dimension



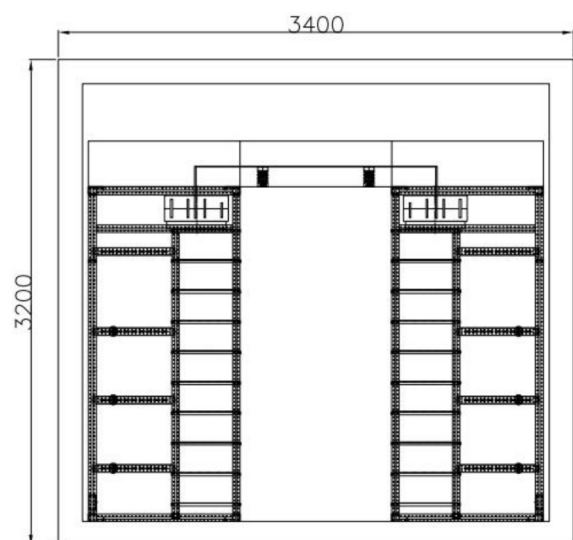
Front view



Top view



Side view (left)



Side view (right)