恩波利
ENBOLI

YB Intelligent Box Substation

Substation series

safe and reliable operation, beautiful out line,as well as convenient installation, little land occupation, little maintenance, low cost, quick effect and long service life. It can be used as power transformation and distribution equipment in the following departments and places, such as urban architecture, residential areas, municipal facilities, factories, mines, roads, wharves and oil fields, as well as construction in need of temporary power supply.

YB Model and meaning

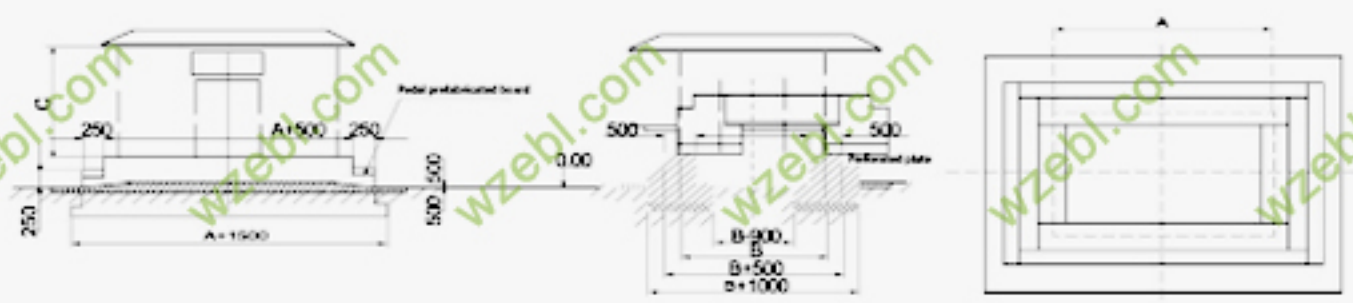
Y B □ □ -12/0.4-(□)/ □ - □

- kVA Rated capacity of transformer
- Matched operation mechanism sort for high voltage switch device
- Matched main switch sort for high voltage switch device
- Design No.
- Structural feature: P- "品" form M- "目" form
- Transformer substation
- Prefabricated

YB The main technical parameters

Item	Unit	High voltage electrical equipment	Transformer	Low voltage electrical equipment
Rated voltage	kV	7.2、12	6/0.4、11/0.4	0.4
Rated capacity	kvA		"目" type: 200~1250 "品" type: 50~400	
Rated current	A	200~630		100~3000
	A	Load switch400~630A		
Rated breaking current	kA	Combined electrical equipment is dependent on fuse		15~63
Rated short time withstand current(s)	kA(xs)	20×(2)	200~400kvA	15×1
		(12.5×4)	400kvA	30×1
Rated peak withstand current	kA	31.5、50	200~400kvA	30
			400kvA	63
Rated closing current	kA	31.5、50		
Line frequency withstand voltage	kV	Phase to earth and phase similar 32、40	Oil immersion: 35/5min	≤ 300V 2kV
		Isolated fracture 34、48	Dry type: 28/5min	300,600V 2.5kV
Thunderstroke impact	kV	Phase to earth and phase similar 60、75	75	
		Isolated fracture 75、85	75	
Noise level	dB		Oil immersion: <55	
			Dry type: <65	
Protection grade			IP23D	
Outline dimension		Choose different outline dimension according to the capacity and mode of selected transformer.		

YB Common dimensions

No.	Cabinet type	Outline dimension (mm)	Structure form	Operation mode
1	Flat top type	3000×1600×2200	目-shaped	Single-sided outdoor operation
		3200×2200×2500	目-shaped	Single-sided outdoor operation
		3700×2300×2500	目-shaped	Single-sided outdoor operation
		4000×2500×2500	目-shaped	Single-sided outdoor operation
		4300×2500×2500	目-shaped	Double-sided corridor operation
		4700×2500×2500	目-shaped	Double-sided corridor operation
		5300×2500×2500	目-shaped	Double-sided corridor operation
		6300×2500×2700	目-shaped	Double-sided corridor operation
		8000×2500×2700	目-shaped	Double-sided corridor operation
2	Fastigium typ	3200×2200×2500	目-shaped	Single-sided outdoor operation
		3200×2500×2500	目-shaped	Single-sided outdoor operation
		3600×2300×2500	品-shaped	Single-sided outdoor operation
		4300×2300×2500	目-shaped	Double-sided corridor operation
		4500×2300×2500	目-shaped	Double-sided corridor operation
3	Slanted-top type	3500×2000×2500	品-shaped	Single-sided outdoor operation
4	Half-open type	2800×1800×2500	品-shaped	Single-sided outdoor operation

YB Outline & Mounting Dimensions