

YB-PRE箱式变电站系列(欧式箱变)

YB-PRE Compact Substation (European box variable)



介绍 General >>

YB型箱式变电站又称欧式箱变,产品符合GB17467 - 1998《高、低压预装式变电站》和IEC1330等标准,作为一种新型供配电装置,它比传统土建变电站具有许多优越性。由于它体积小,占地面积小,结构紧凑,便于搬迁,因而大大缩短了基建的周期和占地面积,也减少了基建费用。同时,箱式变电站现场安装简单,供电迅速,设备维修简单,无须专人值守,特别是它可以深入负荷中心,对提高供电质量减少电能损失,增强供电的可靠性以及对配电网改造都是十分重要的。箱变完成电能的变换、分配、传输、计量、补偿,系统的控制、保护及通讯功能。

YB型变电站由高压开关柜,低压配电屏,配电变压器及外壳四部分组成,高压是空气负荷开关,变压器为干式变压器或油浸式变压器。箱体采用了良好的隔热通风结构,外观美观大方,隔热性能良好,且箱体设有上下通风的风道,户外隔射对变压器室及高低压室造成的温升可减少到最低限度。

YB type compact substations and says Europe type box change, GB17467- 1998 product conforms to the high and low voltage substation and IEC1330 preinstalld type, such as a new standard for power distribution equipment, it than conventional civil substation has many advantages. Because of its small volume, cover an area of an area small, compact structure, easy to move, thus greatly shorten the construction period and covers an area of, also reduced the infrastructure expenses Meanwhile, the box-type convering stations on site nstallation is simple, rapid, equipment maintenance simple power substation, without special, especially it can further load centers, to improve the quality of power supply reduce power loss, enhance the rlibility and power of distribution network re- election are important Complete electricity transformation change box, the distribution, transmission, measurement, compensation, system control, protection and communications functions.

By high-voltage switchgear YB engineering-type substation, low-voltage distribution screen, distribution transformer and shell with a combination of four sections, high-pressure air load switch, transformer for dry type transformer or oil-immersed transformer Cabinet adopted good insulation ventilation structure, appearance beautiful generous, heat insulation performance is good, and the upper body sets, outdoor ventilated for every shot ducts and high or low voltage transformer room temperature can reduce the room caused to a minimum.

应用范围 Application Scope >>

适用于电压等35KV及以下，主变容量5000KVA及以下的小型无人值守变电站，广泛用于城市工业变电站、10KV环网系统、农网35KV变电所等场合。

Applicable to below 35KV voltage, etc, the main transformer capacity 5000KVA and below small substations, widely used in substation halting city industry substation, consumers 10KV ring net system, rural 35KV substation and so on.

主要特点 Main Features >>

将一、二次设备预装一个可移动的、全封闭、温度自控、防腐防潮防锈的箱体，运抵现场只须安装在水泥基础上。具有投资少、施工周期短、占地面积少、易与环境协调等特点。

Will the primary and secondary equipment installed a portable sealed, temperature control, anticorrosive moistureproof antirust the cabinet, arriving at the just installed in cement basis. Has less investment, construction period is short, covers an area of less, easy and harmonious environment etc. Characteristics.

三相环网型箱式变压器技术参数 Tachnical Data for YB Pre-installed Substation

项目 Item		单位Unit	参数Data
高压单元 HV	额定频率Rated Frequency	Hz	50
	额定电压Rated Voltage	kV	6 10 35
	最高工作电压Max Working	kV	6.9 11.5 40.5
	工频耐受电压Industrial Requency Voltage-resisting	kV	32/36 42/48 95/118
	对地和相间/隔离断口Time/isolation Ballistic Voltage-resisting		
	雷电冲击耐压Thunderand Lighting Ballistic	kV	60/70 75/85 185/215
	对地和相间/隔离断口Voltage- -resisting Time/iaolation Sectional Port		
	额定电流Rated Current	A	400 630
	额定短时耐受电流Rated Brief - period Current-resisting	kA	12.5(2s) 16(2s) 20(2s)
额定峰值耐受电流Rated Crest Value Current-resisting	kA	32.5 40 50	
低压单元 LV	额定电压Rated Voltage	V	380 220
	主回种额定电流Rated Current Of Major Return Circuit	A	100-3200
	额定短时耐受电流Rated short-circuit Current-resisting	kA	15 30 50
	额定峰值耐受电流Rated Crest Value Current-resisting	kA	30 63 110
	支路电流Branch Circuit	A	10-800
	分支回路数Quantity Of Branch		1--12
补偿容量Compensation Circuit	kVAR	0-360	
变压器单元 Transf orming	额定容量Rated Capacity	%	4 6
	短路阻抗Short- circuit Impedance	1640	748±2x2.5%± 5%
	分接范围Scope Of Branch Connection	2160	950
	联接组别Vector Group	2680	Yyn0 Dyn11