

Special introduction of pre-assembled box-type substation

产品描述 Product description

箱式变电站是一种将高压开关设备、配电变压器和低压配电装置等按一定的接线方案组合在一起的配电设备。广泛用于城市电网改造、住宅小区、工矿、机场、码头及临时性用电设施等户内外场所。

Box-type substation is a kind of power distribution equipment that combines high-voltage switchgear, distribution transformers and low-voltage distribution devices, etc. according to a certain wiring scheme. It is widely used in indoor and outdoor places such as urban power grid renovation, residential communities, industrial and mining areas, airports, docks and temporary power facilities.

技术参数 Technical specifications

名称 Name	单位	参数 Technical parameters
额定电压 Rated voltage	kV	33/0.4~11/0.4
系统最高电压 Maximum system voltage	kV	35~12
额定频率 Rated frequency	Hz	50
1min工频耐压 Frequency withstand voltage	kV	35/85
冲击电压 Impulse voltage	kV	75/185
冷却方式 Cooling method	/	ONAN
容量 Capacity	kVA	30~1600
环境温度 Ambient temperature	°C	-25~+45
防护等级 Protection Grade	/	IP44
海拔高度 Altitude	/	不超过1500m (not exceeding 1500m)
相对湿度 Relative humidity	/	小于90% (25°C时) less than 90% (at 25°C)
安装要求 Installation requirement	/	安装地点无剧烈震动，垂直斜度不大于3° No violent vibration at the installation location, vertical slope not more than 3°
产品标准 Product standards	/	IEC 62271-202:2022; IEC 60076系列(series) ; IEC 60529:2013; IEC 61936-1:2018

功能及特点 Features and characteristics

设备安全 Equipment security	全密封、全绝缘、防盗、防尘、防潮、防腐蚀、隔热 Fully sealed and fully insulated, effective anti-theft, dust-proof, moisture-proof, anti-corrosion, heat insulation.
装配设计 Assembly design	模块化设计、功能室相互独立、维护检修便捷高效 Modularized design, convenient and efficient maintenance with each functional room independent of each other.
柜体设计 Cabinet design	结构紧凑、占地面积小，仅为传统电站面积10%-20%，节约用地 Compact structure, small footprint, only 10-20% of the traditional power plant, saving land resources.
内部安装 Internal	厂家完成内部预安装、缩短建设周期 The internal pre-installation is completed in the factory, shortening the construction cycle
安全装置 Security device	烟雾报警系统、灭火装置 Equipped with smoke alarm system and fire extinguishing device.
定制化设计 Customized design	高度定制化、可根据客户要求进行定制化设计生产 Highly customized, can be designed and produced according to customer

产品图 Product drawings

