



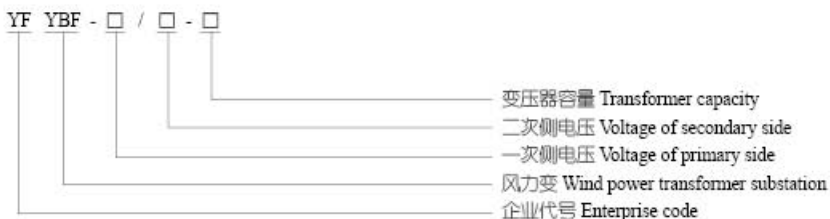
概述 General

风力变电站是将风电机组发出的电压 (0.6-0.69KV) 升高至 35KV 或 10KV, 并网后输出的专用变电设备, 是我公司根据国内风力发电市场的要求而量身定做的专供风力电站的箱变, 是集可靠性、安全性、适用性、经济性于一体的理想的风力发电系统的配套产品。

The wind power transformer substation is a special transformer equipment used to boost the voltage generated by wind-driven generating sets to 35KV or 10KV, and outputs by being connected to the power grid, it is developed by our company especially designed for wind power station by responding to the market demand of wind electric power generation, it is a supported product of wind generator system integrating reliability, safety and serviceability with economical efficiency.



产品型号及含义 Product type and meaning



结构特点 Structure character

- 1、内部配置可靠性高、经济适用。高压侧配置负荷开关 + 熔断器, 可以可靠的保护变压器, 低压侧配置进口 SOCOMEC 隔离开关, 配以高分断能力熔断器, 同时可安装一台 2KVA 站用变压器; 主电路方案简单、经济;
- 2、高压负荷开关与高压熔断器置于全密封的变压器油箱中, 利用变压器油作为绝缘介质, 高压出线端采用全绝缘硅橡胶电缆接头, 真正全工况、全绝缘、全密封、免维护, 保证在恶劣环境中全用寿命达 20 年。
- 3、采用进口高燃点油作为绝缘和冷却介质, 寿命期内无须滤油、换油, 密封件采用高性能的进口胶珠, 与设备同寿命。
- 4、箱体外门采用独特的迷宫式密封方式, 配以高弹性长寿命密封胶条, 通风孔处均设有防尘设施, 能有效防止风沙、雨雪等对风力变的侵蚀, 防护等级为 IP44。

- 1、The inner configurations are of high reliability, serviceability and economical efficiency. HV side is equipped with load switch and fuse to protect the transformer reliably, and the LV side is equipped with imported SOCOMEC isolating switch and high breaking capacity fuse as well as one substation-used transformer of 2KVA; the main circuit scheme is simple and economical;
- 2、HV load switch and HV fuse are set in full-enclosed transformer oil tank, and making use of transformer oil as insulating medium. We adopt full-insulated silicon rubber cable joint for HV outlet end, so that to realize full operating condition, full insulated, full enclosed and free of maintenance, it can be operated in harsh environment for 20 years at least.
- 3、Adopt imported high burning point oil as insulating and cooling medium, it is unnecessary to filter or change the oil during service life. In addition, we adopt imported beads of high performance as sealing member, which has the same service life with that of equipment.
- 4、The outer door of box adopts particular labyrinth sealing mode, equipped with joint strip of high elasticity and long service life. There is dustproof facilities arrange at ventilation holes, which can protect the wind power transformer substation from blow sand, rain or snow effectively, degree of protection is IP44.

一次系统图 Primary system diagram

