



### 智能数字化电力集装箱式预制舱 (可根据要求定制)

Intelligent digital electric container prefabricated cabin (can be customized according to requirements)

伊发控股集团自主研发的5G智能数字化电力集装箱式预制舱是智能变电站应用的新技术、新材料、新设备的一个重要体现，是高质量、高可靠性、高适用性的定制化电气设备集成产品，也是变电站建设的未来趋势。

5G智能数字化电力集装箱式预制舱是由预制舱体、二次设备屏柜（或机架）、舱体辅助设施等组成，在工厂内完成制作、组装、配线、调试等工作，并作为一个整体运输至工程现场，就位于安装基础上。预制舱及其内部的二次设备实现整套二次设备由厂家集成，实现工厂化加工，减少现场二次接线，减少设计、施工、调试、工作量，简化检修维护工作，缩短建设周期，有效支撑了电网快速建设。

The 5G intelligent digital power containerized prefabricated cabin independently developed by Yifa Holding Group is an important embodiment of new technologies, new materials and new equipment applied in smart substation. It is a customized integrated product of electrical equipment with high quality, high reliability and high applicability, and it is also the future trend of substation construction.

5G intelligent digital power containerized prefabricated cabin is composed of prefabricated cabin, secondary equipment screen cabinet (or rack), auxiliary facilities of cabin body, etc. It completes production, assembly, wiring, debugging and other work in the factory, and is transported to the project site as a whole, located on the installation basis. The prefabricated cabin and its internal secondary equipment realize the integration of the whole set of secondary equipment by the manufacturer, realize factory processing, reduce secondary wiring on site, reduce design, construction, debugging, workload, simplify maintenance work, shorten the construction cycle, and effectively support the rapid construction of power grid.

### 变电站一次设备预制舱产品配置 Product configuration

一次设备预制舱产品配置 Primary equipment prefabricated cabin product configuration			
照明电气系统 Lighting electrical system	烟感探头 The smoke detector	配电箱 Distribution box	风机 fan
温湿控制系统 Temperature and humidity control system	外墙油漆 Exterior wall paint	应急照明 Emergency lighting	监控 Monitoring
安全逃生指示 Safe escape instructions	内墙装饰板 Interior wall decorative board	灭火器 Fire extinguisher	插座 The socket

### 变电站一次设备预制舱产品特点 Product features

- 满足户外运行要求，具有较强的抗冲击能力以及防盗、防破坏能力；
  - 舱体密封性强，能够有效抵御沙尘、潮气进入舱内，防止凝露的产生；
  - 外形美观大方，外部墙体颜色样式简洁，空调、通风口、进线口位置安排合理；
  - 一次设备预制舱舱体喷涂防腐涂料，具有较好的防腐防锈能力，使用寿命可达25年；
  - 具有双重防水功能，以及完善的安全逃生系统，符合电力要求，可满足IP54防护等级。
- Meet the requirements of outdoor operation, with strong impact resistance and anti-theft, anti-damage ability.
  - The cabin body sealing is strong, can effectively resist sand, moisture into the cabin, prevent condensation.
  - Beautiful appearance, simple style, air conditioning, vent, inlet position reasonable arrangement;
  - The cabin body is sprayed with anti-corrosion coating, with good anti-corrosion ability, the service life can reach 25 years;
  - With double waterproof function, and perfect safety escape system, meet the power requirements, can meet the IP54 protection level.

### 变电站二次设备预制舱产品配置 Product configuration

二次设备预制舱产品配置 Product configuration of prefabricated cabin of secondary equipment			
线路保护测控柜 Line protection measurement and control cabinet	电能质量检测柜 Power quality detection cabinet	光端机 Optical transceiver	智能照明控制 Intelligent lighting control
电能计量屏 Electric energy metering screen	电压无功控制装置 Voltage reactive power control device	水浸传感器 Water sensor	综合配电柜 Integrated power distribution cabinet
二次安防设备 Secondary security equipment	通信接口柜 Communication interface cabinet	火灾报警系统 Fire alarm system	●●●

### 变电站二次设备预制舱产品特点 Product features

- 建筑面积与占地面积相对减少，省去了土建的诸多环节，节约建筑材料，减少环境污染；
  - 使用环保集成材料用于布置配电间隔，节省了光缆和电缆的长度，降低了造价成本；
  - 能够满足防火保温、密封防尘、通风防腐等技术规范要求；
  - 在工厂集成安装并完成接线，节约设备减少现场工作量，使设备集成度更高；
  - 二次设备预制舱舱体由高强度金属合金作为舱体设备外壳，具有较高的抗压能力以及结构强度。
- The building area and floor area are relatively reduced, saving building materials and reducing environmental pollution.
  - the use of environmental protection integrated materials for layout distribution interval, save the length of optical cables and cables, reduce the cost of the cost.
  - It can meet the requirements of fire insulation, sealing and dustproof, ventilation and anti-corrosion.
  - Integrate installation and complete wiring in the factory, save equipment, reduce on-site workload, and make equipment integration higher.
  - The cabin body is made of high-strength metal alloy as the shell of the cabin body equipment, which has high compressive capacity and structural strength.