



# XGN66-12 箱型固定式开关设备柜体

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## XGN66-12 Box-type Fixed Switch-gear Cubicle

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柜体尺寸 Dimension

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高度 (Height) × 宽度 (Width) × 深度 (Depth)

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2300mm × 900(950)mm × 950mm



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### 概述 General

XGN66-12 型开关柜适用于 3-10kV 三相交流、50Hz 单母线系统中，作为接受和分配电能之用，属于新一代小型化城乡电网设备，具有小型化、结构合理、安全可靠、运行操作简单等特点。满足电力市场及城网、农网改造、箱式变电站的需求。

XGN66-12 switchgear is suitable for single busbar systems with power levels from 3 to 10kV three-phase AC 50Hz to accept and distribute power. It is new generation small power equipment used in cities and rural areas, which is distinguished with features as high grade, small volume, reasonable structure, safety and dependability, simple in running and operation, and accommodates to the demand of power market, reform of city and rural power grids, and packaged substations.

### 结构说明 Structure instruction

开关柜为金属封闭箱型固定结构，柜体由 C 型材和 G 型材，经过多种连接件组装而成。柜体分为四个小室，即母线室、断路器室、仪表室、电缆室。部件加工应用数控冲床、数控折弯机及数控加工中心等先进设备制造，形位尺寸精度高，制造快捷准确，便于不同方案的灵活组合，可满足客户的不同要求。

The switchgear is of box-type metal-enclosed fixed structure and the cubicle consists of C profiles and G profiles assembled by several connecting pieces. It is divided into four compartments, i.e. busbar compartment, CB compartment, metering compartment and cable compartment. The parts processing shall be made by CNC punching machine, CNC bending machine and sophisticated machines provided in CNC processing center, ensuring high precision of form, position and dimension, fast and accurate making, flexible for combination of different options, which can meet different demands from customers.

### 主要特点 Main characteristics

- 1、柜体结构采用组装式，无须焊接，具有较高的机械强度，优美的外观；
- 2、柜体后部上方采用 GN30-12 旋转隔离开关、下隔离采用 GN19-12C 隔离开关，具有按程序操作的可靠的机械联锁装置，为操作人员与设备提供可靠的安全性保护；
- 3、柜体为空气绝缘，可配装机构一体化的真空断路器：固定式 VS1-12(ZN63A)、VD4-12 等断路器；
- 4、主开关、隔离开关及柜门之间均采用强制性机械闭锁方式，产品满足“五防”功能要求；
- 5、电缆接线端头距地空间大，便于电缆的制作安装和检测维护；
- 6、外壳防护等级为 IP2X；
- 7、材质采用镀锌板制作。

1. The cubicle is of assembled structure, free from welding, high mechanical strength and artistic appearance;
2. The rear upper part is for GN30-12 rotary disconnect switch and lower part for GN19-12C disconnect switch. The mechanical interlock device operated as per procedures can provide reliable safety protection for the operation personnel and equipment;
3. The cubicle is of air insulated type, compatible with VCB of integrated mechanism as: VS1-12(ZN63A) and VD4-12;
4. Compulsory mechanical locking method is employed in the interlocks among main switch, disconnect switch and cubicle door to meet the "five-safety" interlock function;
5. The wiring terminals of cable have big space from the ground enabling making, mounting and maintaining of cables;
6. The degree of protection of the enclosure is IP2X;
7. Material of galvanized steel.