



# KYN2-12 箱型固定式开关设备柜体

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## KYN2-12 Box-type Fixed Switchgear 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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2650mm × 1100(1200)mm × 1200/1600mm



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### 概述 General

XGN2-12 型开关柜适用于 3-12kV 三相交流 50Hz 单母线、双母线、旁路母线系统，为接受和分配电能之用，可满足各类发电厂、变电站（所）及工矿企业的使用要求。

XGN2-12 switchgear is suitable for single busbar, double busbar and bypass busbar systems with power levels from 3 to 12kV 3-phase AC 50Hz for power acceptance and distribution, which can satisfy using requirements of power plants, transformer substations or industrial and mining establishments.

### 结构说明 Structure instruction

本开关柜为金属封闭箱型结构，柜体骨架由 C 型材和 G 型材组装而成，外形美观，便于组织生产，缩短了生产周期，柜内分隔成断路器室、母线室、电缆室、继电器室，各功能室之间用金属隔板隔开。

This switchgear is of metal-enclosed box structure and its cubicle framework is made of C profiles and G profiles with pleasing outline, which facilitates production control and shortens production period. The cubicle is divided into CB compartment, busbar compartment, cable compartment and relay compartment with metal partitions.

### 主要特点 Main characteristics

- 1、断路器室位于柜体前中部，可安装机构一体化的断路器，操作维护方便，断路器室设有压力释放通道，若内部电弧发生时，气体可通过排气通道将压力释放；
- 2、母线室位于柜体后上部，为了减小柜体高度，母线呈品形排列，相邻母线室用金属隔板隔开，可有效地防止故障影响到相邻隔室；
- 3、柜内为空气绝缘，相间、相对地空气绝缘距离大于 125mm，柜内均采用较大爬距的支持绝缘子（或成套），使开关柜具有较高绝缘水平和绝缘稳定性。
- 4、电缆接线端头距地面 600-800mm，便于电缆的制作安装和监测维护，电缆室与电缆沟之间采用塔形橡胶圈封闭，以防潮湿和小动物通过电缆沟进入柜体。
- 5、主开关、隔离开关、接地开关及柜门之间的联锁机构采用强制性机械闭锁方式，产品满足“五防”功能要求。
- 6、材质采用镀锌板制作。

1. The CB compartment is situated at the front middle part, which can be mounted with CB of all-in-one mechanism, facilitating operation and maintenance. The compartment is available with pressure release channel, and in case of any internal arc, the gas may get past exhaust passage and pressure released;
2. The busbar compartment is situated at the rear upper part, and the busbar is arranged in delts-shape as to decrease the height. The neighboring busbar compartment are separated by metal partition, which may effectively prevent faults from affecting adjacent compartments;
3. The inside is air insulated and the distance of air insulation of phase to phase and phase to earth shall be greater than 125mm. Supporting insulators (or bushings) of greater creepage are employed to make the switchgear have greater insulation level and stronger insulation stability;
4. The wiring terminals of cable shall have a distance of 600-800mm from the ground as to facilitate the making, mounting and maintaining of the cable. Tower rubber gasket is used to seal between cable compartment and cable chute as to prevent dampness or small animals from entering the cubicle via the chute;
5. Compulsory mechanical locking method is employed in the interlocks among main switch, disconnect switch, earthing switch and cubicle door to meet the "five-safety" interlock function.
6. Material of galvanized steel.