

# HONGFA GGD FIXED LOW VOLTAGE SWITCHGEAR



GGD Switchgear Table 1 Special Features

## Special Features

Under a safe, economic, rational and reliable design principles, GGD AC low voltage switchgear is designed based on the requirements of the department of Energy authorities, the majority of electricity users and design department. This switchgear is applied for the power systems that the rated current 380-600V and rated frequency three-phase AC50-60HZ, and it is used as the distribution box motor control and reactive power compensation.

The cabinet frame is partly welding and assembled with 8MF cold forming sectional steel. The cabinet body is designed by 20mm modular mounting holes, which is high generality. The 1000 and 1200 width cabinet body adopts asymmetric (800+400) dual-door structure while 600 and 800 width cabinet body adopts front-door structure. The cabinet back adopts symmetrical dual-door structure.

The live hinge of pivoted door connects with the architecture, which is easy for assembly and disassembly. The door edge folds are embedded with rubber pieces to prevent the door from direct collision with cabinet body, which improves the switchgear protection degree.

There are numbers of cooling slots in the upper and lower ends of the cabinet body, which forms a natural wind tunnel from the bottom up in the sealing cabinet.

The instrument door equipped with electrical components and assembly parts in the cabinet forms a complete grounding protection circuit with the cabinet frame, which ensures the grounding continuity.

The main bus-bar displayed in the rear of cabinet top. AMJ1 type bus clip is cast-molding by high-intensity unsaturated resin DMC/SMC material, which has high mechanical strength and dielectric strength. Cabinet cover can be removed for easy on-site assembly and adjustment of the bus-bar.

Cabinet body is coated by multi-layer electrostatic powder, which has strong adhesion. The mounting parts in the cabinet with galvanization passivation treatment, which improves the the performance of anti-fungal, anti-moisture and anti-salt spray.