

How many kinds of electrical distribution box

There are two types of commonly used distribution boxes, wooden and metal.

Because metal distribution boxes have a higher protection level, they are more often used in metal. Classified according to structural characteristics and uses: (1) fixed panel switchgear, often called switchboard or power distribution screen. It is an open-type switchgear with a panel cover. It has a protective effect on the front. It can still touch live parts on the back and sides. The protection level is low. Substation is used for centralized power supply.



(2) Protective (ie closed) switchgear refers to a low-voltage switchgear that is closed on all sides except the installation surface. The electrical components such as the switch, protection, monitoring and control of this cabinet are installed in a closed enclosure made of steel or insulation material, and can be installed on or off the wall. There can be no isolation measures between each circuit in the cabinet, and a grounded metal plate or insulation plate can also be used for isolation. Usually the door is mechanically interlocked with the main switch operation. In addition, there is a protective table-type switchgear (that is, a console), and the panel is equipped with control, measurement, signal and other electrical appliances. Protective switchgear is mainly used as a power distribution device at the process site.



(3) Drawer type switch cabinet. This type of [switchgear accessories](#) rack metal hardware is made of steel with a closed enclosure, and the electrical components of the incoming and outgoing line circuits are installed in a drawer that can be drawn out to form a functional unit that can complete a certain type of power supply task. The functional unit and the bus or cable are separated by a grounded metal plate or a functional board made of plastic to form three areas of the bus, functional unit and cable. There are also isolation measures between each functional unit. Drawer switchgear has higher reliability, safety and interchangeability. It is a more advanced switchgear. Most

switchgear refers to drawer type switchgear. They are suitable for industrial and mining enterprises and high-rise buildings that require high reliability of power supply, as a centralized control power distribution center.



(4) Power and lighting distribution control box. Most are enclosed vertical installations. Due to different use occasions, the enclosure protection levels are also different. They are mainly used as power distribution devices on the production site of industrial and mining enterprises. 1. structure. There are two types of distribution box structures.

1. Welding structure ,Simply cut, bend, open and then weld the

sheet metal parts.

Superda design a [distribution box roll forming machine](#) can process from metal uncoiler, forming and bending & cutting production line, very easy operation.

2. Assembly structure, The sheet metal parts are processed separately, and each component is assembled after processing. It is reinforced and locked with screws and tees. It has a beautiful appearance and simple operation, which can save a lot of transportation costs. Power distribution boxes, power distribution cabinets, power distribution panels, power distribution screens, electrical cabinets, etc. are complete sets of equipment that are centrally installed with switches, meters and other equipment.



Electrical distribution box making machine manufacturer

