

## Capacitor Compensation Cabinet

### ◆ Product Description

The capacitor compensation cabinet is a core electrical device dedicated to reactive power compensation in power systems. Its casing is made of high-quality cold-rolled steel plate or stainless steel and treated with processes such as electrostatic spraying, featuring excellent anti-corrosion, rust resistance and structural strength. Internally, it integrates core components including power capacitors, series reactors, intelligent switching switches, reactive power compensation controllers, as well as overvoltage and overcurrent protection elements, and can automatically adjust the compensation capacity according to changes in the reactive power of the power grid load.



- High-quality and durable casing
- Professional compensation configuration
- Intelligent automatic adjustment
- Convenient installation and maintenance
- High-efficiency energy saving and consumption reduction

### ◆ Product Structure

- The capacitor compensation cabinet adopts an integrated modular and layered structure design. Its exterior is a sealed protective casing made of high-quality cold-rolled steel plate or stainless steel, which is treated with an electrostatic spraying process and reserved with standardized installation interfaces, supporting multiple installation methods such as wall-mounted or floor-standing. Internally, it is divided into three core functional areas: compensation module, control module and protection module, and physical isolation between each module is achieved through insulating partitions. The overall structure is compact and neat, which is suitable for the installation and use needs of various power distribution scenarios.

### ◆ Typical Applications

- The capacitor compensation cabinet is a key device in the power system for realizing reactive power compensation and ensuring power distribution stability, and is widely used in various power distribution scenarios such as factory workshops, commercial complexes, industrial and mining enterprises, municipal infrastructure, and data centers. It can perform precise reactive power compensation, prevent voltage fluctuations from affecting the normal operation of facilities, reduce reactive power loss, extend equipment service life, help the entire power system achieve energy conservation, consumption reduction, safe and efficient operation, and meet the diversified power distribution management and control needs of different scenarios.

### ◆ Typical Product Data and Physical Properties

Rated Operating Voltage: AC380V

Rated Operating Frequency: 50Hz/60Hz

Protection Class: IP30 (Indoor)/IP54 (Outdoor)

Casing Material: Cold-rolled Steel Plate/Stainless Steel

Installation Method: Floor-mounted/Wall-mounted

#### Availability:

Material Code	Product Name	Weight	packing
1.4.24.01.0623	Capacitor Compensation Cabinet	60KG	1pcs/CTN

### ◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

#### ◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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