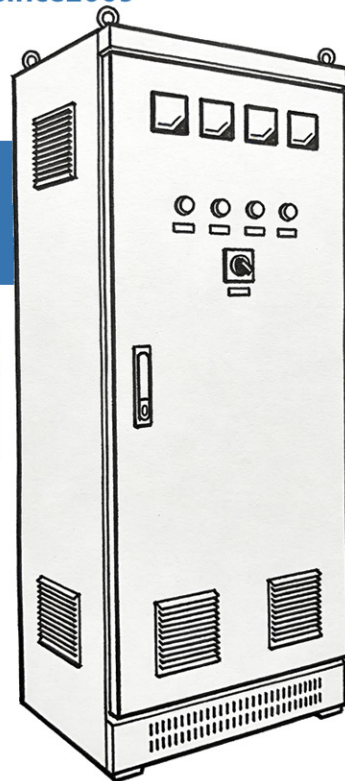


# KANGZHUO TECHNOLOGY

A leading influential control systems manufacturer in China since 2009

## Control Cabinets CATALOG



# Control Cabinet

## Low voltage integrated control cabinet

Modular design integrating distribution, control & monitoring, Space-saving, easy installation. Ideal for industrial automation & building systems.



### Technical Specifications

*Power Supply**	Three-phase AC 380V, Single-phase AC 220V, (-10%, +15%), 5//60Hz
*Protection Class*	IP20 Indoor / IP50 IP54 Optional
Environment Conditions	Environment Conditions -10°C+55°C   Ambient temperature di to n nisty < 85% non-condensing, altitude ≤ 2000m, no corrosive or flammable gases, no strong vibration or dust pollution

# Control Cabinet

## PLC Control Cabinets

PLC-based control system for automated machinery. High reliability & strong anti-interference. For production lines & intelligent equipment.



### Technical Specifications

* Power Supply**	• DC 24V; single-phase AC 220V, (-10%, +15%), 50Hz
* Protection Class*	• IP41 or IP20
Environmental Conditions	<ul style="list-style-type: none"> <li>• Ambient temperature: 0°C ~ 55°C</li> <li>• No direct sunlight exposure</li> <li>• Relative humidity: Kdlx mitunt; &lt; 85% (non-condensing)</li> <li>• Keep away from strong vibration sources; prevent frequent vibration (10~55Hz) or continuous vibration</li> <li>• Avoid corrosive or flammable gases</li> </ul>

# Control Cabinet

## VFD Control Cabinets

VFD-based control system for variable frequency drives.  
 High efficiency & precise speed control.  
 For industrial automation & motor control.



### Technical Specifications

'Power Supply'	- DC 24V: single-phase AC 220% (-10%, +15%), 50Hz
'Protection Class'	- IP41 or IP20
Environmental Conditions	- Ambient temperature 0°C – 55°C - No direct sunlight exposure - Relative humidity: Kdix vmum: < 88% (non-condensing) - Keep away from strong vibration sources; prevent frequent vibration 110-55Hz or continuous vibration - Acid corrosive or flammable gases

# Control Cabinet

## Soft Starter Control Cabinets

Soft Starter Cabinets Smooth start/stop for high-power motors. Protects grid & equipment from voltage surge. Suitable for heavy industrial applications



### Technical Specifications

Power Supply: generator sets;	Mains power, self-contained power grid, diesel three-phase AC 380V, (-10%, +15%), 50Hz
Applicable Motor:	General squirrel-cage asynchronous motors
Starting Frequency:	Capable of frequent starting, recommended not exceeding 20 times per hour
Protection Class:	IP41 or IP20
Environmental Conditions:	Altitude not exceeding 2000 meters (derating required for altitudes over 2000 meters); ambient temperature range: -25°C ~ +40°C; relative humidity not exceeding 95% (20°C±5°C), non-condensing; vibration less than 0.5G

# Control Cabinet

# Explosion-Proof Control Cabinets



ISO certified & explosion-proof rated.  
Designed for hazardous & harsh working conditions.  
Widely used in oil, gas & chemical industries



## Technical Specifications

Power Supply	- 380V AC / 220V AC, I-10% +18%, 50/60Hz
Applicable Equipment:	Explosion-proof three-phase asynchronous motor
Explosion-proof Grade:	Exd II C74/674
Protection Class:	IP54
Somnidoply..	IP54
Explosion-proof Grade:	IP54
Protection Class:	IP54

# Control Cabinet

# Sewage Discharge Control Cabinets

Compact, stable and fully functional.  
 Supports single/multi-pump control with rotation and cyclic operation.  
 Automatically controls equipment via liquid level instruments.  
 Widely used in power, metallurgy, chemical, paper and wastewater treatment industries.



## Technical Specifications

Power Supply:	- 380V AC, (-10%, +15%), 50Hz (mains/diesel generator)
Applicable motor (generator)	Applicable Motor: General squirrel-cage asynchronous motor
General standby/diesel:	Ext: IP41 ≤ 2000m
Protection Class:	IP41 or IP20m
Environmental Conditions:	Temp -25°C~+40°C
Humidity ≤ 95% I:	Temp -25°C~+40°C
(non-condensing):	Vibration <0.5G

# Control Cabinet

# Dual Power Supply Control Cabinets

Consists of automatic transfer switch (ATS) devices, enabling automatic switching between main and backup power supplies to ensure reliable and uninterrupted power. Widely used in high-rise buildings, telecommunications, industrial enterprises, shipping, and other critical facilities requiring continuous power.



## Technical Specifications

Ambient Temperature:	-5°C ~ +40°C Atmospheric Conditions: Clean air
Atmospheric Condensation:	relative humidity ≤ 50% at +40°C; during temperature changes:
	≤50% at +40°C (up to 90% at +20°C)
Environmental Conditions:	with possible occasional condensation
Altitude ≤ 2000m;	Altitude ≤ 2000m
no severe pollution;	seismic intensity ≤ 8 degrees; no severe pollution, chemical corrosion, or strong vibration

# Control Cabinet

## Environmental Engineering Centralized Control Cabinets

Mainly used for the centralized control of various equipment in environmental protection projects, facilitating the linkage and centralized observation of equipment operation, thereby reducing investment costs. It is primarily applied in sewage cleaning and treatment, integrating various digital smart instruments and sensors (e.g., ultrasonic, pH, flow meters) for automatic water treatment and clearer monitoring of water quality. It is now widely used in various environmental protection projects.



### Technical Specifications

Technical Specifications	Mains power, backup generator set: three-phase set:
Power Supply:	three-phase AC 380V, (-15%), 50Hz Applicable Motor:
General squirrel-cage:	General squirrel-casynchro motor Startiy
Can be started frequently:	it is recommended not to exceed 20 times
Environmental Conditions:	◦ Altitude: ≤ 2000
Ambient temperature:	◦ Relative humidity: -95% (20°C°C, no condensation)
ambient vibration:	Vibration: < 0.5G

# Control Cabinet

## Environmental Equipment Supporting Control Cabinets

Developed to meet the manufacturing needs of environmental protection equipment, the cabinet has the characteristics of various equipment. It features automatic startup, protection, and remote control functions, along with high automation, convenient operation, and system reliability. It is commonly used to control environmental equipment including submersible mixers, aerators, grid decontaminators, spiral sand separators, sludge dewatering machines, crushers, and sludge handling machines.



### Technical Specifications

Technical Specifications	Mains power, backup generator set: three-phase set:
Power Supply:	three-phase AC 380V, (-15%), 50Hz Applicable Motor:
General squirrel cage:	General squirrel-casynchoo motor Startiy
Frequency start frequently:	it is recommended not to exceed 20 times
Environmental Conditions	◦ Altitude: ≤ 2000
Ambient temperature	◦ Relative humidity: -95% (20°C, no condensation)
ambient vibration:	Vibration: < 0.5G

# Contact

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