



Intelligent transmission and distribution
system overall solution service provider



FOCUS ON **G A O B O**
POWER INDUSTRY INNOVATION TO LEAD THE FUTURE



Guangzhou Gaobo Electromechanical Equipment Co.,Ltd

Phone: 020-32282756

Fax: 020-82061960

Address: Room 101, Building 6, No. 2 Fangda Road,
Huangpu District, Guangzhou (Location: Room 901)

website: <http://www.gaobo-ele.com>

Guangzhou Gaobo Electromechanical Equipment Co.,Ltd

HIGH QUALITY SUPPLY CHAIN



Alliance first-line brands and world elites shine together

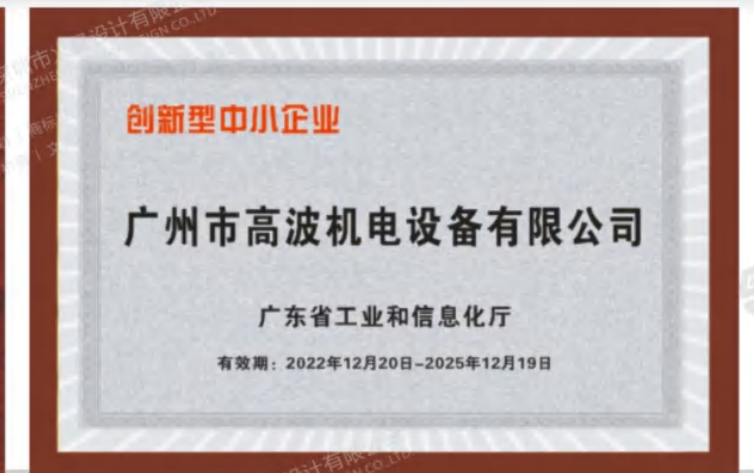
- Siemens SIVACON 8PT authorized cabinet
- Siemens authorized low-voltage distribution box
- Schneider Prisma E authorized cabinet
- ABB close partner
- Chint Electric's strategic partner
- Taiyong Long March Strategic Partner
- Tianzheng Electric Strategic Partner



HONOR AND QUALIFICATION



We aspire to be a century old brand and a leading boutique in the global power industry. In terms of product standards, we strictly adopt international standards as the production standards for our enterprise products. Whether it's power components or complete system solutions, we strictly adhere to the strategy of high-quality products, using the most exquisite craftsmanship to create each component into a perfectly usable product.





ENTERPRISE
CHRONICLES



Establishment of
Guangzhou Gaobo
Electromechanical
Equipment Co.,Ltd

2008

Trademark
registration
approved

2015

2014

- Received the "Recommended Product Certificate for Engineering Construction"
- Passed ISO9001 quality management system certification

Awarded the honorary title of
"National High tech Enterprise"

2020

Awarded by the Guangzhou Municipal
Administration for Market Regulation
Guangdong Province Contract abiding
and Creditworthy Enterprise

2017

- Phase I production workshop put into use
- Continuous innovation, independent research and development,Obtained 7 utility model patent certificates
- 6 products have passed the testing report of the National High and Low Voltage Electrical Quality Supervision and Inspection Center

Obtained the recognition of "Specialized,
Refined, Unique and New Small and Medium
sized Enterprises"

Received the honorary title of "Innovative
Small and Medium sized Enterprise";

Received the honorary title of "Gazelle Enterprise in
Huangpu Development Zone, Guangzhou";

Successfully passed the evaluation of the integrated
management system and obtained the certificate

Rated as a tax credit A-level taxpayer for
three consecutive years

Obtained 3 utility model patent certificates and
11 testing reports from the National High and
Low Voltage Electrical Quality Supervision and
Inspection Center;

2022

2021

- Accumulated 6 products have obtained
the national "CCC" certificate
- Obtained 5 utility model patent certificates

adopt ISO14001 Environmental
Management System Certification
ISO45001 Occupational Health
Safety Management System Certification

2024

Awarded the 35KV mid mounted cabinet
KYN61-40.5 35KV high and low voltage
prefabricated substation
YB-40.5 Type Inspection Report

2023

The company has relocated from No. 39
Bigang Avenue, Huangpu District,
Guangzhou to No. 2 Fangda Road,
New Economic Industrial Park, Huangpu
District, Guangzhou

PRODUCTION SCALE



QUALITY MANUFACTURING QUALITY GAOBO



Persistently focused, striving for excellence, meticulous, and pursuing excellence

Gaobo Electromechanical provides professional training for employees, promotes lean production and lean management, continuously improves lean team building and production 6S management, adopts systematic methods for management, and implements the principle of "everyone values product quality".

Gaobo Electromechanical strictly controls quality and serves every customer well. Only by putting quality first in the entire work, treating it as our life, being meticulous, striving for excellence, and always maintaining high quality and efficiency, can we stand undefeated in fierce competition.



PRODUCTION PROCESS

一 SCHEME DESIGN



1. Schematic deepening
and drawing design



2. Bus scheme
Design (once)



3. Wire harness scheme

二 PRODUCTION MATERIAL PREPARATION



1. Cutting and punching



bend

Increase
insulation



2. Secondary line
processing



3. Material
allocation



4. Component
fixation



5. Wiring



7. Packaging - awaiting shipment



6. Power on debugging

GAOBO ADVANTAGE







HIGH QUALITY SUPPLY CHAIN

Schneider and Siemens authorized manufacturers, ABB、Zhengtai, Tianzheng, and Taiyong Long March strategic partners select high-quality raw materials to eliminate hidden dangers from the source.

SPECIALIZED, REFINED, AND INNOVATIVE

Focusing on the subdivision of power transmission and distribution products, our refined product line provides users with a full range of 0.4-40.5kV power transmission and distribution products to meet the differentiated needs of various customers.





LOCALIZED SERVICE TEAM

17 years of deep cultivation in the Pearl River Delta electricity market, familiar with the implementation and acceptance standards of various levels of supervisory units. Provide a 1-hour response in terms of service, and restore power supply on the same day of emergency repairs within the province.

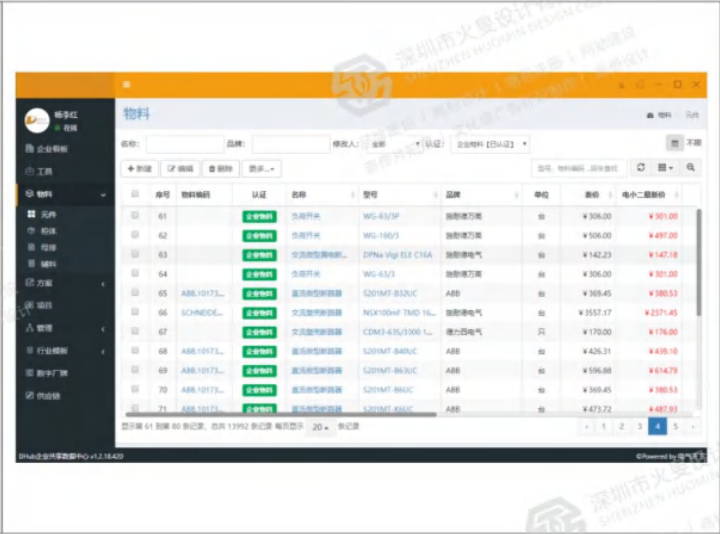


PROFESSIONAL SERVICE TEAM

The company is equipped with a professional team to provide pre-sales technical consultation for customers on equipment selection and solution optimization.

INTELLIGENT MANUFACTURING CAPACITY UPGRADE

The company has introduced the D-Hub digital collaboration platform and achieved the transformation and upgrading from traditional manufacturing to digital manufacturing, greatly reducing customer budgets and improving product quality and delivery speed.





EXTENSIVE BRAND INFLUENCE

With 17 years of industry accumulation, we have accumulated over 300 clients and completed more than 2000 projects. Our company has participated in projects covering industries such as national new infrastructure data centers, new energy and new materials, public buildings, industrial buildings, and real estate, and has received high praise from a wide range of users with a good market reputation.

TECHNICAL SUPPORT

Moving from Manufacturing to Intelligent Manufacturing

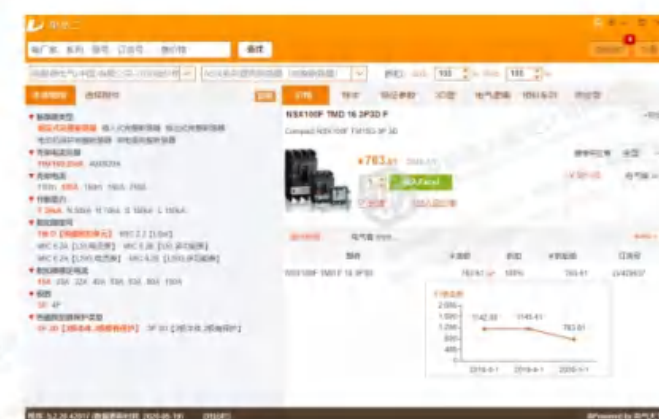
Guangzhou Gaobo Electromechanical Equipment Co., Ltd. always adheres to process control throughout the product lifecycle and implements ERP production management. Introducing the D-Hub digital collaboration platform in technology and completing the transformation and upgrading from traditional manufacturing to digital manufacturing.



Digital Design

01 Selection of electric small two

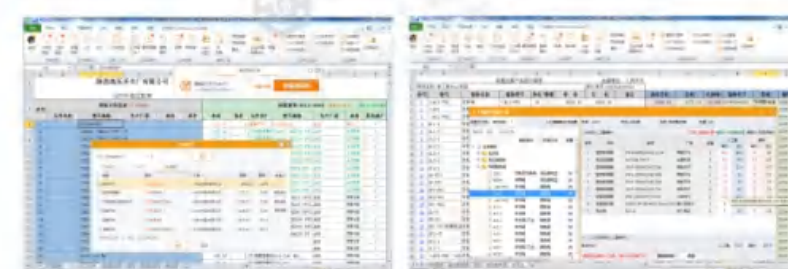
Through parameter filtering, quickly obtain professional data such as the latest component prices, 3D drawings, electrical wiring logic, electronic samples, etc., providing direct access to quotation and design work.



• Main interface for selecting and checking the price of electric small appliances

02 Complete quotation ExWinner

CAD drawing import BOM, intelligent full network price search, intelligent material calculation and billing, automatic association of project equipment tree structure, interactive price adjustment, all make the complete electrical quotation work more relaxed and fast.



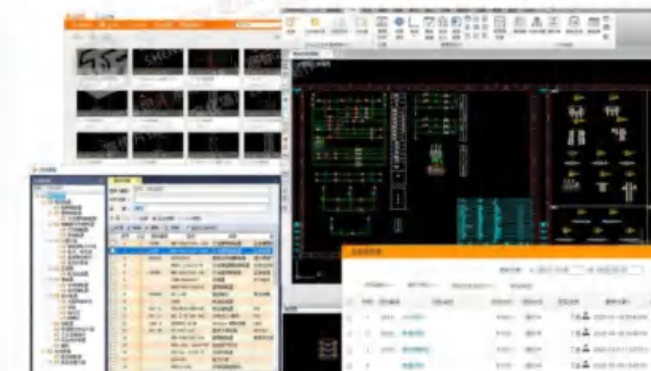
• Intelligent matching of search prices across the entire network



• Quotation project structure association tree

03 Electrical Design SuperWORKS

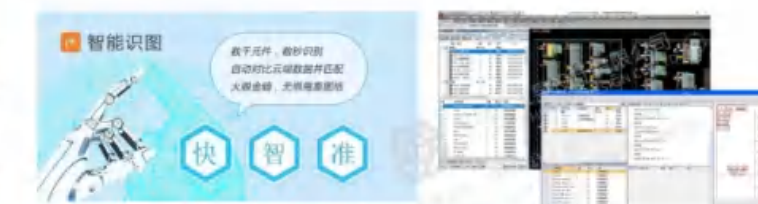
SuperWORKS automatically generates construction wiring diagrams from electrical schematics, which are directly connected to the D-Hub cloud based enterprise material library solution library and project library. Data sharing makes design collaboration more convenient and efficient!



• SuperWORKS provides direct access to D-Hub material library, solution library, and project library

04 Intelligent image recognition

D-Hub intelligent map recognition is based on artificial intelligence algorithms, automatically identifying the parameters of the distribution boxes, high and low voltage cabinet systems, as well as professional information such as components, models, quantities, etc. in each cabinet. Make the quotation and design of the factory more efficient!

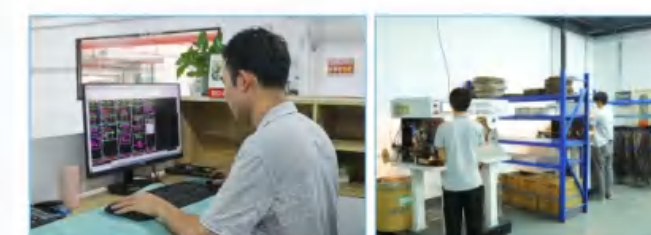


• D-Hub智能识别DWG图和PDF图纸

Digital Workshop

01 Digital workshop for wiring harness products

The SuperHarness secondary wiring software and integrated solution for the digital workshop of wire harness products can be used by manufacturing enterprises to build a professional digital workshop for wire harness manufacturing, complete the design, manufacturing, and connection of wires, and improve the processing efficiency and work quality of the process.



120%

Increased assembly time

130%

Material loss reduction

150%

Delivery quality improvement

120%

Delivery efficiency improvement

05 Digital Supply Chain SuperChain

SuperChain, a digital supply chain, enables fast online inquiry, price comparison, and order placement, making the supply chain flow more efficient! There are also D-Hub preferred suppliers for precise docking, making the complete electrical supply chain smooth and controllable.



GAO BO TRANSMISSION AND DISTRIBUTION PRODUCT SERIES

Gaobo Electromechanical is entering the field of power transmission and distribution market guided by customer value. Unlike general manufacturers who can only produce 10kV and below distribution equipment, our company has the qualifications and production experience for a full range of high and low voltage distribution equipment up to 40.5KV and below. Make product differentiation and service differentiation.

At present, our company provides customers with more than 20 series of products in 3 major categories, making us one of the manufacturers in the same industry with a relatively complete range of varieties.

Medium and high voltage series

- KYN61-40.5-1250-31.5 Armored Removable AC Metal Enclosed Switchgear
- KYN28-24/1250-31.5 Armored Removable AC Metal Enclosed Switchgear
- KYN28-12/1250-31.5 Indoor metal armored withdrawable switchgear
- HXGN15-12/125-31.5 vacuum ring main unit
- HXGN15-12/630-20 vacuum ring main unit
- XGN-12C/630-20 Fully Sealed and Insulated Inflatable Ring Network Switchgear
- XGN-12V/630-20 Fully Sealed and Insulated Inflatable Ring Network Switchgear
- XGN-12F/125-31.5 Fully Sealed and Insulated Inflatable Ring Network Switchgear
- XGN-24 (D V) T630-25 Fully enclosed, fully insulated, inflatable ring network switchgear
- YB-12/0.4-1000 Box type Substation
- YB-24/0.4-1600 high and low voltage prefabricated substation
- YB-40.5 0.8-3150 High and Low Voltage Prefabricated Substation

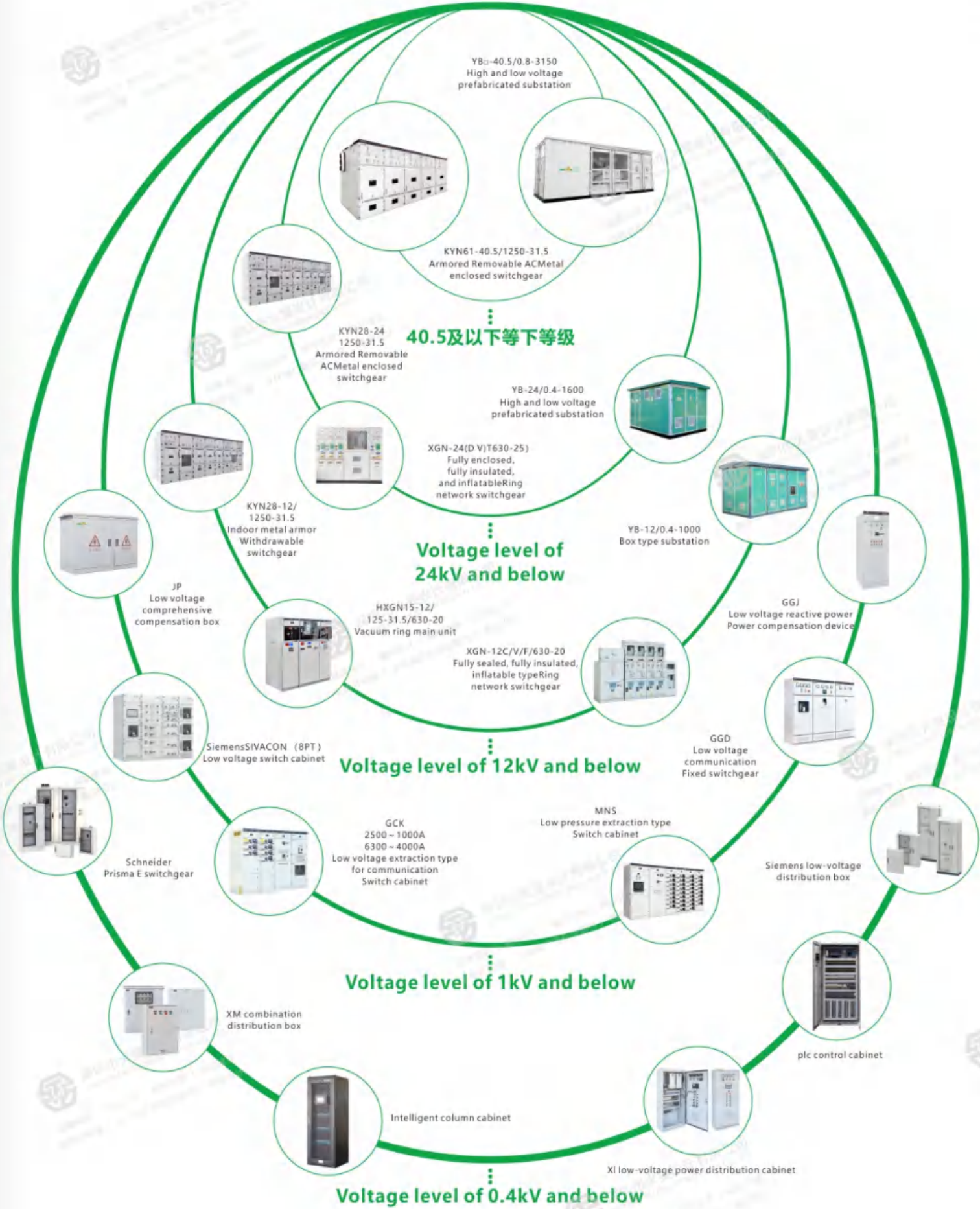
Three box series

- Schneider Prisma E switchgear
- Siemens distribution box
- JP low-voltage comprehensive compensation box
- XL Low Voltage Power Distribution Cabinet
- Intelligent column cabinet
- PLC control cabinet
- Xm combination distribution box

Low voltage series

- Siemens SIVACON (8PT) low-voltage switchgear
- GCK 2500-1000A AC low-voltage withdrawable switchgear
- GCK 6300-4000A AC low-voltage withdrawable switchgear
- GGD AC low voltage fixed switchgear
- GGJ Low Voltage Reactive Power Compensation Device

(0.4-40.5kV) Full range of power transmission and distribution products



SIEMENS SIVACON (8PT) SWITCHGEAR



Product Overview

What is SIMARIS configuration

An engineering design software
SIVACON 8PT solution ensures reliable and efficient engineering design for you

A project quotation system
Integrate multiple quotation classification methods to ensure accurate and rapid project pricing

A production and manufacturing treasure book
Combining technical manuals, assembly guidance, and test reports in one, allowing you to have a clear understanding of customer needs



Powerful energy management system

Integrated into Siemens' fully integrated energy management TIP and cloud based open operating system Mindsphere solution

The TIP on-site intelligent 8PT digital solution integrates Siemens highly intelligent components that can be freely configured with other Siemens intelligent devices, forming a communication network that meets various communication protocols (Profinet, Profibus, Modbus, RTU, etc.), achieving data transparency and interconnection, providing reliable and accurate power data for upper level control, operation, management, etc., and providing a safe, reliable, and efficient power supply system along the entire value chain, allowing enterprises to fully focus on core business.



Powermanager has excellent equipment integration capabilities, flexible networking forms, and can comprehensively monitor the working status of electrical equipment. Its stable system operation ability allows customers to understand the working status of equipment anytime and anywhere.



The Intelligent8PT digital solution is integrated into the Mindsphere Siemens open cloud platform, providing customers with a perfect digital solution: The Mindsphere cloud platform collects application power data through intelligent 8PT, analyzes the data with professional software, and uses the data to achieve value such as cost reduction, energy efficiency improvement, and predictive maintenance.

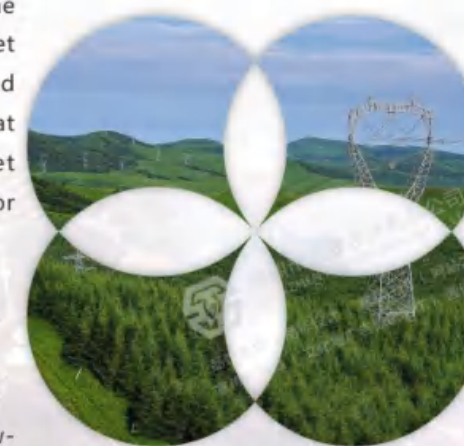
Security and intelligent solutions

The independent secondary wiring compartment located at the top of the cabinet can effectively shield electromagnetic interference and has good electromagnetic compatibility.

The drawer secondary plugin has an independent communication interface to ensure fast, accurate, and continuous data transmission.

Through verification tests based on the IEC61439 standard and internal combustion arc tests according to the IEC61641 standard, the excellent cabinet strength has passed earthquake and mechanical impact tests, ensuring that the Intelligent8PT intelligent cabinet meets the requirements of customers for any harsh working conditions.

The new generation of Siemens low-voltage protection components with communication function accurately measure and upload various parameters of the entire distribution system, monitor and warn in real-time at various intelligent distribution terminals, achieve rapid fault diagnosis, and provide users with continuous and reliable power supply guarantee.



Integrated into Siemens SIMOCODE intelligent motor management system, it meets all functional requirements of motor control and automation systems, including motor fault safety shutdown function that meets safety standards, providing continuous safety and reliable guarantee for customer production lines.

By using temperature monitoring sensors and smoke alarm sensors, it is possible to monitor in real-time the key charged bodies and connection points inside the cabinet, and quickly transmit abnormal heating situations to various terminal devices through communication networks for early warning, thereby eliminating safety hazards.

独有的柜体结构满足数字化通讯要求



FCB1
A frame type circuit breaker
High current input and
output line feeding circuit
Up to 6300A maximum



FCB2 / FCB2BC
Two frame type circuit breakers
High current input and
output line feeding circuit
(The above circuit can
be used as a busbar)
2000A/2500A



FCB3
Three frame type circuit breakers
Simultaneously feed the
incoming and outgoing
power circuits
Up to 1600A maximum



OFW
Drawout drawer cabinet
Provide 1/2 drawer
functional unit
Its maximum capacity is 100A



OFF
Fixed partition cabinet
Can achieve 1/2 fixed separation



PFC
Reactive power
compensation cabinet
Non choked flow to 500kVar
Choke current to 350KVar



**SIVACON 8PT
Solution:**
More economical,
safer,
More intelligent

Technical features:

- More selection of horizontal busbar specifications, more optimized busbar structure design, achieving higher cost-effectiveness
- 1/2 functional unit, achieving higher packing density
- Communication specific secondary connectors
- Unique secondary wiring channel ensures high-quality communication for intelligent solutions
- Through internal arc fault testing, patented technology ensures the safety of on-site equipment and personnel, and guarantees the safety and reliability of power supply

SCHNEIDER PRISMA E SWITCHGEAR



Advantages of Prisma-E Standardized Pre installed Distribution System

All Prisma-E solutions have undergone rigorous testing and verification, and comply with the latest IEC61439 international standard for low-voltage complete equipment.



Prisma-E cabinet is produced by Schneider Electric, and the entire process from design, selection to assembly runs through the concept of standardization, fully reflecting the scalability of the equipment.

Prisma-E is designed by a French master and combines a Chinese style appearance to enhance its elegant taste.

MEDIUM AND HIGH
VOLTAGE SERIES

KYN61-40.5
Armored Removable Indoor AC Metal Switchgear



Product Overview

KYN61-40.5 armored movable indoor AC metal switchgear is designed according to the armored metal enclosed switchgear in GB3906-2006. It is suitable for three-phase AC power systems with a rated voltage of 40.5kV and a rated frequency of 50Hz. It is used to receive and distribute electrical energy and control, protect, and detect circuits. In addition to being widely used in general power systems, it can also be used in places with frequent operations. Compliant with standards: GB3906-91 "3-35kV AC Metal Enclosed Switchgear", IEC298 "AC Metal Enclosed Switchgear and Control Equipment with Rated Voltage Above 1kV and

YB□-40.5/0.8-3150
High and low voltage prefabricated substation



Product Overview

YB □ -40.5/0.8-3150 high and low voltage prefabricated substation is a complete outdoor substation that is pre manufactured and assembled in the factory, including auxiliary equipment such as transformers, high voltage switches, low voltage switches, power transformers, etc., and is configured in a common enclosure. It has the advantages of strong completeness, easy installation, short construction period, low operating cost, high structural strength, and strong anti-corrosion performance, and is fully suitable for operating environments with harsh natural conditions such as beaches, grasslands, deserts, etc.

KYN28-12/24/1250-31.5
Indoor metal armored withdrawable switchgear



Product Overview

KYN28-12/24/1250-31.5 indoor metal armored withdrawable switchgear is used for power plant transmission, power system, and industrial and mining enterprise substation receiving, distribution, control, and protection purposes. It can also be used for frequent starting of high-voltage motors, meeting the "five prevention" interlocking requirements. The switchgear can be equipped with ABB's VD4 vacuum circuit breaker or domestic VS1 vacuum circuit breaker, making it a high-performance distribution device with flexible scheme combination, compact structure, safety and reliability, easy maintenance, impact resistance, corrosion resistance, and other advantages.

YB□-12/24/0.4-1000/1600
Box type substation



Product Overview

YB Kou-12/24/0.4-1000/1600 type box type substation is a compact and complete set of distribution equipment that combines high-voltage electrical equipment, transformers, low-voltage electrical equipment, etc. It is used in high-rise buildings, urban and rural buildings, residential areas, high-tech development zones, small and medium-sized factories, mining and oil fields, and temporary construction sites as a distribution system for receiving and distributing electrical energy.

YB-12/24/0.4-1000/1600 type box type substation has the characteristics of strong completeness, small size, compact structure, safe and reliable operation, convenient maintenance, and mobility. Compared with conventional civil type substations, box type substations of the same capacity usually occupy only 1/10~1/5 of the area of conventional substations, greatly reducing the design and construction workload and construction costs.

In the distribution system, it can be used for ring network distribution systems, as well as for dual power or radiation terminal distribution systems. It is a new type of complete equipment for the construction and renovation of urban and rural substations.

MEDIUM AND HIGH
VOLTAGE SERIES

XGN□12
Atmospheric pressure air insulated
environmental protection cabinet



Product Overview

All live parts and switchgear of XGN □ -12 atmospheric pressure air insulated environmental protection cabinet are sealed in a stainless steel shell filled with dry air or N₂. There are upper isolation switch schemes that meet the requirements of State Grid and lower isolation switches that meet the requirements of South Grid. This switch device is not affected by external environmental conditions and can fully ensure the reliability and safety of operation, thereby ensuring maintenance free operation.

The atmospheric pressure air insulated environmental protection cabinet does not use media that have a significant impact on the environment. It has a small impact on the environment throughout the product's entire life cycle and has environmental adaptability. This product adopts a common box structure with a complete primary solution, which can fully meet various wiring requirements.

XGN-12C/V/F/630-20
Fully sealed and insulated inflatable ring
network switchgear



Product Overview

The metal enclosed insulation series ring main switch cabinet is a new type of fully sealed series switch product developed by our company using computer simulation technology and years of product design and manufacturing experience. The metal enclosed insulation series ring network switchgear is a fixed ring network main unit structure that can be combined with up to 15 fixing methods.

The metal enclosed insulation series ring main switchgear is a compact and expandable switchgear that can be configured with up to 6 unit modules in the same inflatable chamber; The top of each unit busbar room can be connected to another inflatable switch unit through a fully sealed busbar. It can be expanded into several sets of combination units with different functions.

HXGN15-12/125-31.5/630-20
Vacuum ring main unit



Product Overview

HXGN15-12/125-31.5/630-20 vacuum ring main unit is suitable for indoor AC high voltage complete sets with rated voltage of 3.6-12kV and rated frequency of 50Hz. Compliant with national standards GB3906 "3.6-40.5kV Indoor AC Metal Enclosed Switchgear", KL404/T "Technical Conditions for Ordering Indoor AC High Voltage Switchgear", and International Electrotechnical Commission IEC-298 "AC Metal Enclosed Switchgear and Control Equipment".

ZGS
Combination Transformer
(American Box Transformer)



Product Overview

The ZGS combination transformer places the transformer body, high-voltage load switch, and protective fuse in the same oil tank, greatly reducing the size of the equipment. The box body is a fully sealed structure, using concealed high-strength bolts and oil resistant nitrile rubber gaskets to seal the box cover, which can withstand a pressure of 50kPa for a long time. The box body is designed with waterproof and anti condensation requirements fully considered. The top cover design has a 5% slope to prevent water accumulation. The box door is a three-point interlocking system, and the high-voltage compartment can only be opened after the low-voltage compartment is opened.

MEDIUM AND HIGH
VOLTAGE SERIES

XGW-12
Outdoor intelligent opening and closing station



Product Overview

The XGW-12 outdoor switchgear is a new generation of automated distribution equipment developed based on the actual development needs of power system distribution automation. It has all the functions of system monitoring, system control, system communication, etc. that can fully meet the requirements of distribution automation. It is an ideal modern outdoor switchgear.

The outer shell of XGW-12 outdoor switchgear is made of 2.0mm stainless steel or polystyrene board, with a reasonable box structure. The functional units are small and independent of each other, separated by partitions, and do not affect each other. The inner cabinet can be equipped with XGN15-12 ring main unit Safe-12 inflatable cabinet, and can be configured with a "five prevention interlock" mechanism to prevent misoperation and illegal operation. The surface of the box can be polished or sprayed according to user requirements, with a protection level of IP33 or IP67. The top cover of the box is an air sandwich double-layer structure with ventilation openings. The air inlet is located at the lower part of the box, and the air outlet is located at the top of the box, hidden under the eaves to form a bottom-up air convection, making the box have good insulation and ventilation effects.

DFW-12
Outdoor cable distribution box



Product Overview

DFW-12 outdoor cable distribution box is widely used for relay distribution and energy distribution in 10kV power systems. It is an important electrical equipment for outdoor cable collection and distribution. Distribution boxes are divided into ordinary cable distribution boxes and switch cable distribution boxes. It can also be divided into ordinary type and flood control type according to the sealing level. Widely used in urban areas and areas with concentrated industrial and mining enterprises. It is the preferred product for realizing the transformation of urban power grid cables and achieving ring network power supply.

LOW VOLTAGE
SERIES

GCK (L)
Low pressure draw-out switchgear



Product Overview

GCK (L) type low-voltage withdrawable switchgear (hereinafter referred to as switchgear) is suitable for control and distribution systems with AC 50 (60) Hz and rated working voltage of 400V and below. It consists of two parts: the power distribution center (PC) cabinet and the motor control center (MCC). As a power distribution motor control and lighting distribution equipment. The cabinet is made of 8MF steel combination splicing, and each functional unit is relatively independent. The propulsion mechanism adopts a lever propulsion mechanism to ensure that the same units can be interchanged, providing power supply reliability.

GCS
Low pressure draw-out switchgear



Product Overview

GCS type low-voltage withdrawable switchgear is suitable for distribution systems in industries such as power plants, petroleum, chemical, metallurgical, textile, and high-rise buildings. As a low-voltage complete distribution device used for power distribution, motor control, and reactive power compensation in a three-phase AC 50 (60) Hz power supply system with a rated operating voltage of 400V and a rated current of 6300A and below. The device adopts a standard modular design, with each functional unit relatively independent. The drawer can be smoothly and reliably pushed, ensuring that the same units are interchangeable and improving power supply reliability!

LOW VOLTAGE
SERIES

MNS
Low pressure draw-out switchgear



Product Overview

The MNS type low-voltage withdrawable switchgear adopts a standard modular design for the cabinet body, with a compact structure composed of reinforced C-profile assembly. The cabinet frame and all internal components are processed with aluminum zinc plate, which has strong anti-corrosion ability. All functional units are interchangeable, improving power supply reliability.

The MNS type low-voltage withdrawable switchgear is suitable for power plants, substations, petrochemicals, metallurgical steel rolling, light industry and textiles, as well as residential areas, high-rise buildings and other places. It is used as a distribution equipment for AC 50-60Hz, rated working voltage 400V power systems for energy conversion, distribution and control.

GGD
Low voltage fixed switchgear



Product Overview

The GGD type low-voltage fixed switchgear has the characteristics of high breaking capacity, good dynamic and thermal stability, flexible electrical scheme, convenient combination, strong series and practicality, novel structure, and high protection level. It not only shortens the production cycle, improves efficiency, but also saves social resources. Can be used as a replacement product for low-voltage switchgear.

GGJ Low voltage reactive power compensation cabinet



Product Overview

The low-voltage reactive power compensation cabinet is mainly used in the low-voltage distribution room, parallel with the distribution cabinet, for centralized compensation of reactive power in the system, improving power factor, reducing reactive power loss in the system, and improving power quality. This device can automatically adjust the compensation capacity according to changes in the reactive power of the system, thereby achieving the best compensation effect. It can be widely applied in industries such as metallurgy, mining, building materials, machinery manufacturing, light industry, chemical industry, ports, etc., especially suitable for industrial and mining with large load changes.

XL-21 Power cabinet



Product Overview

The XL-21 power cabinet is suitable for power distribution in three-phase four wire or three-phase five wire systems with AC voltage of 500V or below in power plants and industrial and mining enterprises. The XL-21 low-voltage power cabinet is an indoor device installed against the wall and undergoes maintenance in front of the screen. The shell is made of bent steel plate, and the switch operating handle is located on the upper right column in front of the box, which can be used to switch power. According to user needs, different models and current levels of circuit breakers can be selected to meet the needs of different users.

GZDW DC power supply panel



Product Overview

The GZDW series DC power supply panel is a high-frequency switch DC system and related power supporting equipment designed and developed by our company based on a high-quality development team, rich on-site experience, years of power product development experience, and extensive user equipment online operation experience. It is suitable for various substations and has been widely used in substations of different levels from 10KV to 500KV, 15MW to 600MW generator sets, and has good application performance in national key projects such as subways, oil fields, chemicals, metallurgy, railways, etc.

LOW VOLTAGE
SERIES

JPSMC
Low voltage comprehensive compensation box



Product Overview

JPSMC type low-voltage comprehensive compensation box is mainly suitable for transmission and distribution systems with AC 50Hz and rated voltage below 0.4kV in urban and rural power grids. It is installed and used on the low-voltage side of 10/0.4KV outdoor substations. It is a new type of outdoor low-voltage distribution device with multiple functions such as energy distribution, energy metering, data acquisition, voltage monitoring, overcurrent protection, phase loss protection, low-voltage lightning protection, leakage protection, automatic closing for fault relief, and reactive power compensation. It is also suitable for corresponding on-site distribution control and can be used as a supporting auxiliary device for other distribution equipment. The comprehensive distribution box has the advantages of small size, easy installation, anti-theft, low cost, strong adaptability, aging resistance, accurate operation, no compensation errors, high protection level, perfect protection performance, and high degree of automation. It is the ideal preferred product for power grid renovation.

XM
Power Distribution Box



Product Overview

XM type distribution box is suitable for single-phase, three wire or three-phase five wire end circuits with a rated voltage of 220 or 380V and a total current of no more than 80A per row load. It is used to control and distribute electrical equipment, protect against overload, short circuit, leakage and overvoltage of the line, and is a non professional equipment that does not require maintenance.

The bottom box material of the distribution box is high-quality cold-rolled steel plate, with surface spray treatment, which has the characteristics of non deformation, non oxidation, corrosion resistance, etc. It can be installed in a visible or hidden way.

Siemens low-voltage distribution box



Product Overview

1. Originating from the mature Siemens ALPHA power distribution system
2. German research and development, IEC61439 complete type test certification
3. Modular design, three specifications of enclosures and two circuit schemes, 800A distribution power application
4. Siemens authorized cooperative production mode

PLCControl cabinet



Product Overview

The PLC control cabinet is a programmable control cabinet, which is a complete set of control cabinets that can control motors and switches. PLC control cabinet can complete electrical equipment automation and process automation control, achieve perfect network function, stable performance, scalability, anti-interference and other characteristics, and is the core technology of modern industry. PLC control cabinets, frequency conversion control cabinets, etc. can be designed according to user needs to meet user requirements, and can be matched with human-machine interface touch screens to achieve easy operation. The equipment can also transmit data through communication protocols such as Modbus and Profibus with the DCS bus upper computer; Control and monitoring implemented by industrial computers, Ethernet, etc.

Intelligent column cabinet



Product Overview

The intelligent column head cabinet is suitable for power plants, substations, industrial and mining enterprises, telecommunications, banks and other power users as an AC 50Hz distribution system with a maximum working voltage of 660V and a maximum working current of 5000A. Used for power conversion and distribution control of equipment such as computer room power distribution, motor control, and lighting. This series of products has the advantages of high breaking capacity, good dynamic and thermal stability, advanced and reasonable structure, practical electrical scheme, strong series and universality, various scheme units can be combined arbitrarily, one cabinet can accommodate more circuits, saving floor space, beautiful appearance, high protection level, safety and reliability, and easy maintenance. It is a must-have product for system integrators in the UPS industry, and this product complies with the IEC439 and GB/T251 low-voltage withdrawable switchgear standards. It is an essential product in the computer room, which is closely matched with UPS. The size can be customized and can also be made into a distribution box. The specific distribution plan depends on the project.

INTERNET OF THINGS SYSTEM – CLOUD POWER DISTRIBUTION SYSTEM

Without a strong and intelligent power grid, there is no modern life. In the five major links of power generation, transmission, transformation, distribution, and consumption, in order to solve the common pain points of electrical fires, serious energy waste, and inability of community residents to install charging piles during the distribution and consumption process, our company is leading the industry in building a "cloud distribution intelligent control system".

Cloud power distribution is equipped with intelligent control terminals with comprehensive perception ability, intelligent decision-making ability, and strong execution ability in each distribution link. It understands and executes the optimized power supply mode configured by power experts. At the same time, it is equipped with a more powerful computing brain in the cloud, which provides great intelligence to coordinate intelligent terminals to make more strategic actions through the calculation of big data. The automatic collaboration between cloud and cloud enables the continuous improvement of intelligent terminal capabilities, truly providing personalized and direct services to users.



POWER SYSTEM INTEGRATED INTELLIGENT MANAGEMENT AND OPERATION PLATFORM



DISTRIBUTED PHOTOVOLTAIC POWER GENERATION SYSTEM

Distributed photovoltaic power generation specifically refers to photovoltaic power generation facilities that are built near user sites, operate in a way that allows users to self consume and surplus electricity to be connected to the grid, and are characterized by balanced regulation in the distribution system. Following the principles of adapting to local conditions, being clean and efficient, implementing decentralized layout, and utilizing solar energy resources nearby, we will fully utilize local solar energy resources to replace and reduce fossil energy consumption.

A distributed power generation system that uses photovoltaic modules to directly convert solar energy into electrical energy. It is a new type of power generation and energy comprehensive utilization method with broad development prospects. It advocates the principles of nearby power generation, nearby grid connection, nearby conversion, and nearby use. It can not only effectively increase the power generation of photovoltaic power plants of the same scale, but also effectively solve the problem of power loss in boosting and long-distance transportation.

The most widely used distributed photovoltaic power generation system currently is the photovoltaic power generation project built on the roof of urban buildings. This type of project can be connected to the public power grid and provide power to nearby users together with the public power grid.



Industrial factory buildings

Especially in factories with high electricity consumption and expensive online shopping fees, the roof area of the factory is usually large, open and flat, suitable for installing photovoltaic arrays. Due to the large electricity load, our distributed photovoltaic grid connected system can be used for on-site consumption, offsetting some of the purchased electricity and saving users' electricity bills.

Commercial buildings

Similar to the role and effect of industrial parks, the difference is that commercial buildings often have cement roofs, which are more conducive to installing photovoltaic arrays. However, there are often requirements for building aesthetics. According to the characteristics of service industries such as commercial buildings, office buildings, hotels, conference centers, and resorts, the user load characteristics are generally higher during the day and lower at night, which can better match the photovoltaic power generation characteristics.

Family, municipal, etc public building

Due to the unified management standards, the user load and commercial behavior are relatively reliable, and the installation enthusiasm is high. Public buildings such as homes and municipal buildings are also suitable for centralized and contiguous construction of distributed photovoltaics.

ENERGY STORAGE

The energy storage system has a battery compartment and an equipment compartment. The battery system is composed of battery modules and clusters based on the minimum unit of a single energy-saving cell, and the battery capacity is configured according to the actual needs on site; Storage inverters (PCS), AC distribution cabinets, DC distribution cabinets, fire protection systems, and EMS&dynamic environmental monitoring cabinets are placed in the equipment compartment. The energy storage system is connected to the AC bus system to improve energy utilization efficiency and balance the production and supply of the power system.

Boosting chamber



CLASSIC CASE

Gaobo Electromechanical has always adhered to customer value orientation, providing customers with safe, reliable, and high-quality intelligent transmission and distribution system overall solutions. With its professional technology and excellent quality, it has won market praise.

OEM

0

Safety accidents

0

Attachment

0

The longest on the internet Safe operating time

17 year

Customer satisfaction

99.9%

On-time completion rate

100%

Cumulative Serve customers

300+

complete a project

2000+

INDUSTRIAL MANUFACTURING

Industrial manufacturing refers to the industry in the era of mechanical industry that utilizes certain resources (materials, energy, equipment, tools, capital, technology, information, and manpower, etc.) to transform them into large-scale tools, industrial products, and consumer goods that can be used and utilized by people through the manufacturing process in accordance with market requirements. The manufacturing industry is the mainstay of the national economy, the foundation of building a country, the tool for revitalizing the country, and the basis of a strong nation.

Guangzhou Water Supply Company's Permanent Power Supply Project - Huangpu Pressure Station Clean Water Tank Construction Project



Indonesia Puqing Circular Technology Renovation Project



Bangpu Recycling Waste Battery Recycling Project



Henan Branch Bangpu Yihua Supporting Raw Materials and Iron Phosphate Engineering Project



Ningde Bangpu New Materials Industrial Park Project



Bangpu Integrated New Energy Industrial Park-
Bangpu Era Lithium ion Battery New Materials Project



Guangdong Bangpu Circulation Global R&D Center and
Innovation Headquarters-Power distribution installation
project for production area distribution room



Hunan Bangpu Recycling Technology Co., Ltd. Project

