

High and Low Voltage Complete Switchgear

Comprehensive Product Introduction



COMPANY INTRODUCTION



We are a comprehensive integrated enterprise integrating R&D, production and import & export of industrial control and high & low voltage power distribution equipment. With decades of industry experience, we have strong capacity with annual export volume over 500 million RMB and annual output value more than 200 million RMB.

Our headquarters is located in Xingguang Industrial Park, Daxing District, Beijing. The manufacturing base is situated at Taihu Development Zone, Tongzhou District, Beijing, adjacent to Beijing-Shenyang Expressway. The total area covers 13,860 square meters with building area of 12,000 square meters, enjoying superior logistics and geographical advantages.

We strictly implement GB/T19001 / ISO9001 international quality management system, establishing standardized whole-process quality control from R&D, production, assembly to factory inspection, to ensure stable and consistent product quality.

We own professional manufacturing factory for high and low voltage switchgear. Our core business includes localized customized production of full-range Schneider high and low voltage equipment. Meanwhile, we have independent R&D, design and self-brand production capability. We have formed three complete product matrices: Schneider authorized switchgear / SCT self-owned brand / domestic standard high & low voltage cabinets.

500⁺ million RMB
Annual Export Volume

13860 m²
Total Floor Are



Main Product Range



- Schneider Brand Switchgear MVnex Medium Voltage Cabinet, SM6 / RM6 Ring Main Unit, Block-set Low Voltage Cabinet, Prismaipm-FS/WM/UE Precision Distribution Cabinet, UDC Precision Distribution Cabinet.
- SCT Self-owned Brand Series: SCT Precision Distribution Cabinet, SCT Server Column Cabinet, SCT Power Distribution Cabinet, IP42/IP54/IP55/IP66 High Protection Level Distribution Box & Cabinet.
- Domestic High & Low Voltage Equipment: YBM Prefabricated Substation, KYN28A Medium Voltage Cabinet, XGN15 / HXGN Ring Main Unit, MNS/GCS/GCK/GGD Low Voltage Cabinet, XXM/XRB Metering Distribution Box.

Full Range of Industrial Control Products Frequency Inverter, PLC Control System, Low Voltage Electrical Appliances, Transmission Equipment, Industrial Motor and Supporting Components, Complete Electrical Accessories for Switchgear.

We are also official authorized distributor of world-renowned brands: ABB, Schneider, Siemens, Hutech, Wolong, Grundfos. We maintain stable original supply, abundant channel resources and mature overseas project service experience.

Our products are widely applied in government projects, industrial mines, new energy, ship-building, textile machinery, municipal engineering and high-end construction, covering six continents globally.

Equipped with professional international sales team and senior technical engineers, we provide one-stop customized procurement solution for global clients, including strict quality control, competitive factory price, stable cross-border logistics, complete solution design and full after-sales technical support.

With genuine original supply, factory direct supply strength, complete product lines and professional service system, we strive to become a long-term trusted strategic partner for global customers in industrial control and power distribution equipment industry.



MVnex Metal-Clad Medium-Voltage Switchgear >>

The MVnex metal-clad medium-voltage switchgear is an indoor metal-enclosed switchgear equipment designed for use in high/medium-voltage and medium/medium-voltage substations. It provides protection, monitoring, and control for medium-voltage distribution networks in public power distribution, industrial, and civil construction sectors.



- Schneider brand cabinet
- Volume optimization ensures that the entire series of products have a uniform height and depth
- Convenient installation, operation, and maintenance
- The technical performance meets international standards
- Ensure the safety of operating personnel
- Reliable power supply continuity
- Comprehensive and professional support from Schneider

SM6 Extensible Modular Combined Medium-Voltage Switchgear >>

The SM6 series (6-24kV) medium-voltage switchgear is a flagship product of Schneider Electric, holding an international leadership position. Its world-leading technology and people-oriented design concept endow it with exceptional safety, reliability, convenience, and flexibility.

SM6 is suitable for installation in distribution rooms or box-type substations, with cables wired from the front. All control function components are concentrated on the front operation panel, simplifying operation

- load switch
Fluarc SF1 or SFset circuit breaker
Rollarc 400 or 400D contactor
- disconnecting switch
The selected monitoring and protection devices include: Sepam digital multifunctional protection series
VIP inverse time protection device
RCV420 automatic bus transfer device



Blokset full-series intelligent low-voltage switchgear ▶▶

The full range of Blokset intelligent low-voltage switchgear is applied to all low-voltage systems requiring high reliability: electrical power distribution and motor control systems; its modular structure meets all your needs. The Blokset system utilizes Schneider Electric switch components to ensure optimal operation.



- The functional units adopt a modular design, facilitating easy combination and strong interchangeability.
- The main busbar system utilizes steel supports, insulation supports, and aluminum alloy brackets, which prevent the impact of eddy currents generated by current, reduce temperature rise, and enhance safety and reliability in use.
- The feeder circuit can be divided into fixed partition type and drawer type.
- The rated current of the horizontal busbar is below 6300A, and the current of the vertical busbar is below 3200A.
- Main application areas: power plants, power stations, chemical industry, metallurgy, light industry, and high-rise buildings.
- Conforms to international standards: IEC60439-1, IEC60529, IEC60497.

iPM high-reliability intelligent low-voltage switchgear ▶▶

The brand-new iPM, combined with Schneider components, forms a complete solution for distribution power systems, fully leveraging the capabilities of the components to meet customers' demands for safety, reliability, durability, and aesthetics. At the same time, in response to differentiated industry needs, our company has tailored distribution power system solutions for related industries, which can be widely applied to residential buildings, commercial buildings, infrastructure, data centers, and hospitals

Product Advantages:

- Prefabricated part structure: Flexibly assembled modular cabinet and component structure
- Standardized and simplified component installation and power distribution module
- Modular design concept.



SPC-P array distribution cabinet >>

Featuring a profile assembly design with high machining precision. It boasts a basic unit modulus of 12.5mm and is characterized by its simple structure, strong applicability, flexible solutions, safe operation, and convenient wiring. The cabinet surface is made of tempered glass, presenting an elegant and sophisticated appearance. This product is widely used in various high-end computer rooms and terminal power distribution.



- The tempered glass door is elegant and aesthetically pleasing, featuring a novel design that perfectly complements the surrounding environment.
- High-strength frame, standardized structure, no worries about maintenance, replacement, and upgrades.
- The patented technology's special-shaped vertical busbar enables hole-free lapping, facilitating assembly and on-site upgrades.
- A variety of prefabricated connections and specialized power distribution modules reduce maintenance workload, making it easy to expand and repair
- A variety of cabinet sizes are available, with flexible assembly options to meet different needs.

SPC machine room power distribution cabinet >>

The power distribution cabinet for the SPC machine room adopts an assembled partitioned structure, featuring a tempered glass outer door and a modular two-tier cover plate design, presenting an excellent appearance. It is particularly suitable for power and lighting distribution in large computer rooms and can also serve as the central distribution equipment for small and medium-sized distribution rooms. The main components are molded case circuit breakers, miniature circuit breakers, and frame circuit breakers below 1600A, sourced from domestic manufacturers or companies such as Schneider, ABB, and Siemens. The cabinet structure is made of high-quality cold-rolled steel plates processed by a CNC machine, ensuring high processing accuracy and modular dimensions with a basic unit modulus of 12.5mm.



Data Center Precision Power Distribution Cabinet >>

In response to the current situation where single-point failures are prone to occur in computer room power distribution, our company has integrated the most advanced technological achievements and software and hardware designs to launch the integrated intelligent power distribution cabinet. It is dedicated to bringing a new experience to the construction and management of computer room power distribution.



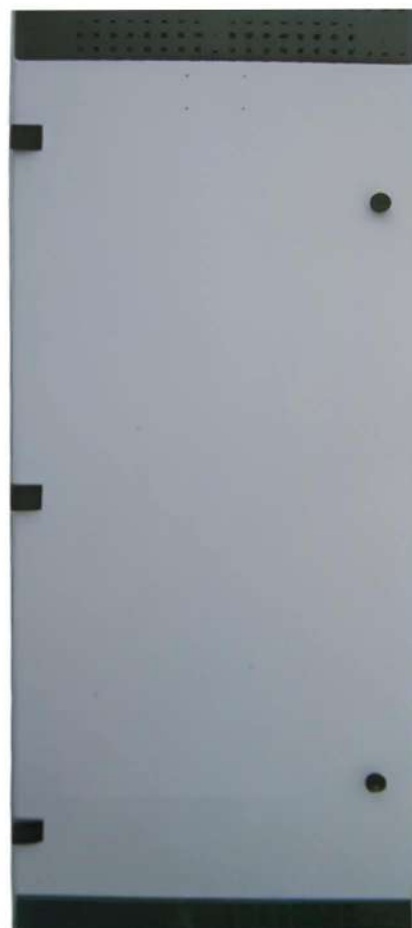
It is suitable for important users such as IDC data rooms in finance, telecommunications, government, and IT, as well as industrial enterprises. It provides services such as power distribution, safety protection, metering, operation management, and data-level grounding for important equipment, and is used in uninterrupted power supply fields with high reliability requirement

- Performance Description Capacity: 60-250KVA
- Input Voltage: 380V/400V/415V, 3-phase 5-wire
- Output Voltage: 380V/400V/415V, 3-phase 5-wire
- Frequency: 50-60HZ

XL-B power distribution cabinet >>

The XL-B power distribution cabinet is suitable for use in industrial and civil buildings, serving as a power and lighting distribution device for AC 50HZ, 400V, TN-C-S power systems. It can also be used as a control cabinet for variable frequency and soft start devices.

This product structure model is processed using Schneider BLOKSET product technology, featuring a profile assembly type with high processing accuracy. The basic unit modulus is 12.5mm. It boasts a simple structure, strong applicability, flexible solutions, safe operation, and convenient wiring. It is widely used in secondary power distribution locations such as industrial and mining enterprises, schools, government agencies, and hospitals. Depending on the installation location, it can be divided into two types: indoor type and outdoor rain-proof type.



YBM-12 type prefabricated box-type substation >>



The YBM-12 prefabricated box-type substation is a complete outdoor power distribution equipment device that integrates medium-voltage switchgear, transformers, and low-voltage switchgear. This series of box-type substations is suitable for three-phase AC distribution systems with a rated voltage of 12KV and a rated frequency of 50HZ, and is used in residential areas, large construction sites, high-rise buildings, industrial and mining enterprises, and temporary facilities with a capacity of up to 2500KVA

It features convenient installation, small footprint, low investment, and quick return on investment, making it a mainstream product in urban and rural construction and renovation projects. From the external structure, it can be divided into two major categories: one is small box-type substations (European type) made entirely of metal steel plates; the other is larger box-type substations (Chinese type) made of composite board materials. The specific external dimensions can be designed and manufactured according to user requirements and site conditions

KYN28A-12 Indoor AC High-Voltage Armored Withdrawable Metal-Enclosed Switch Cabinet >>

The KYN28A(GZSI)-12 indoor AC armored withdrawable metal enclosed switchgear has relevant electrical parameters of voltage ranging from 3.6KV to 12KV and a frequency of 50Hz. In a single busbar power system, it is used for receiving and distributing electric energy in power plants, industrial and mining enterprises, substations, high-rise buildings, and other places. It also possesses functions such as controlling, protecting, and monitoring the circuit



MNS withdrawable low-voltage switchgear >>

The MNS draw-out low-voltage switchgear is an economical, user-friendly, and type-tested low-voltage complete set of control equipment. This device is widely used in power plants, petroleum, chemical, metallurgical, textile, high-rise buildings, and other industries.



Its advantages include:

- Low-voltage power distribution equipment that has passed type testing and obtained national CCC certification
- Compact structure, saving space in the cabinet
- The cabinet can be installed on one side or back-to-back
- The entire series is standardized, with economical arrangement of power distribution circuits
- The component compartment can be divided according to a modular structure

GCS withdrawable low-voltage switchgear >>

The GCS withdrawable low-voltage switchgear is suitable for power, distribution, and motor control centers, as well as for electric energy conversion, distribution, and control in low-voltage power distribution systems of power plants, substations, petroleum, chemical, industrial, mining, and high-rise building enterprises, and other similar applications.

This product is a new type of low-voltage withdrawable switchgear designed based on the requirements of the power sector, numerous power users, and design departments. It caters to the evolving needs of the power market, including capacity expansion, computer interfaces, centralized power control, convenient installation and maintenance, and shortened accident handling times



GCK withdrawable low-voltage switchgear >>

With a compact design, the MCC cabinet adopts a 600mm wide, rear-outlet configuration, accommodating multiple functional units within a small space, thus saving floor space in the distribution room.

The structure is highly versatile, flexible in assembly, and the draw-out units can be combined arbitrarily to meet system design requirements



- It can be freely combined into two forms: fixed type or draw-out type, within a single cabinet.
- The drawer unit is equipped with an interlocking device, featuring clear indicators for opening, closing, testing, and extraction. The push-in and pull-out operations are flexible, safe, and reliable.
- High degree of universality and standardization, easy assembly, and reliable quality

GGD fixed low-voltage distribution cabinet >>

The GGD fixed low-voltage distribution cabinet is suitable for use in power distribution systems with an AC frequency of 50HZ, a rated working voltage of 400V, and a rated working current of 2500A in power plants, power stations, factories, mines, and other enterprises as a device for converting, distributing, and controlling electric energy for power, lighting, and distribution equipment.

The GGD fixed low-voltage distribution cabinet is a new type of low-voltage distribution cabinet designed based on the requirements of the superior authorities of the Ministry of Energy, numerous power users, and design departments, adhering to the principles of safety, economy, rationality, and reliability. This product features high breaking capacity, good dynamic and thermal stability, flexible electrical solutions, convenient assembly, strong practicality, novel structure, and high protection level, making it a suitable replacement for low-voltage switchgear assemblies

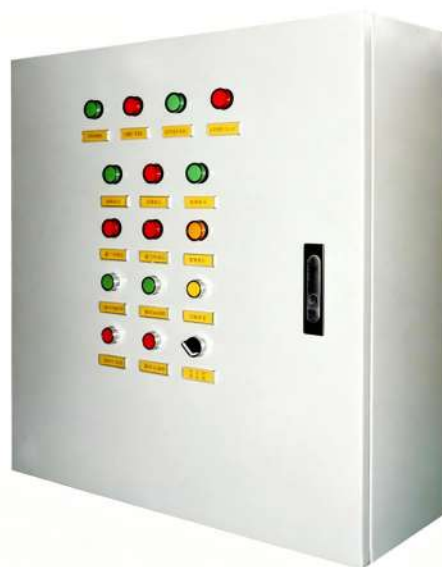
Complies with standards such as IEC439-1 and GB7251.1.



XXM lighting distribution box >>

The XXM lighting distribution box is suitable for terminal distribution of power branches in industrial and mining enterprises as well as civil building lighting. Designed and produced based on the principles of safety, reliability, and economic rationality, this product serves as a short-circuit, overload, and leakage protection device in power lighting circuits.

It features high breaking capacity, good dynamic and thermal stability, reasonable structure, and high protection level. There are two installation methods: surface-mounted suspension and concealed embedding. The components and various protective accessories inside the box comply with 3C certification and relevant national standards



XRB metering box >>

The XRB meter box serves as a metering device for electric energy usage in residential buildings, enterprises, and institutions, and also as a standardized product for the one-household-one-meter project. The product is equipped with a magnetic card meter, a pre-meter isolator (or fuse), and a post-meter current limiting switch. Generally, one meter box can accommodate one to six metering units, and units exceeding six can be processed into a floor-mounted meter cabinet.

The overall design of this product not only meets the requirements of the power management department for electric energy management but also fully considers the convenience and safety of users. It adopts a structure where electrical components are separately enclosed and managed, maximizing the protection of all parties' interests. This product can be processed into indoor or outdoor rain-proof types according to different usage environments and locations. There are two installation methods: surface-mounted hanging type and concealed embedded type



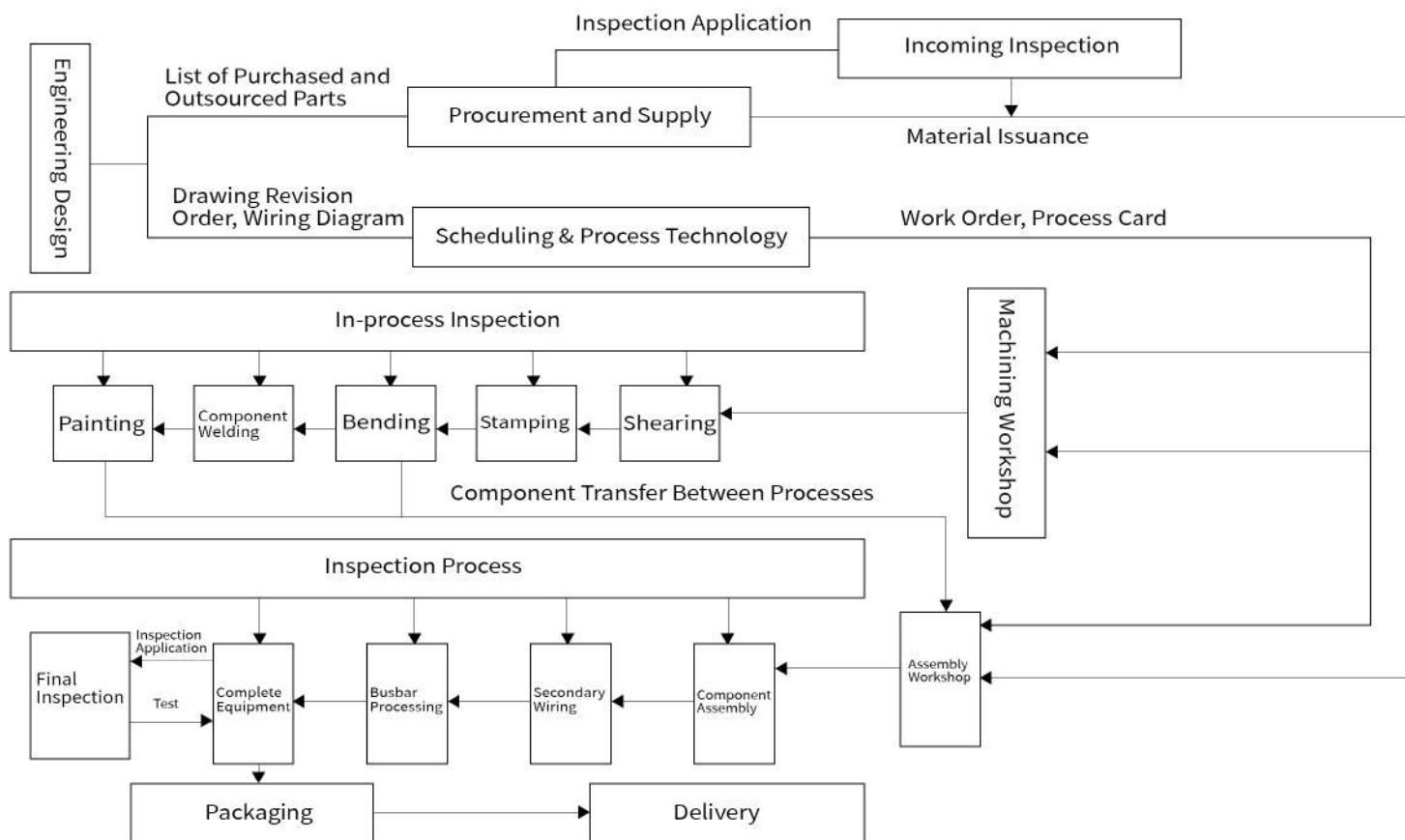
Production Process



Process Link Names	Key Major Measures	Function in ensuring and improving product performance and quality
SheetMetal Processing: (including blanking, punching, bending, welding, bench work, etc.)	1. Plate Inspection 2. Blanking Tolerance Inspection 3. First- piece Inspection for Each Process 4. Sampling Inspection of Workpieces in Each Process 5. Welding Quality Inspection 6. Regular Maintenance and Overhaul of Processing Equipment and Tooling	1. Ensure the correctness of workpieces 2. Ensure the precision of workpieces 3. Ensure the overall strength and assembly precision of products
Assembly of Switchgear Enclosure	1. Assemble in accordance with construction drawings, and inspect whether assembly dimensional errors are within allowable ranges. 2. Timely feedback workpiece or structural problems to relevant departments if found.	1. Ensure the assembly strength and precision of the enclosure to guarantee smooth progress of subsequent processes. 2. Ensure the correctness of the enclosure.
Calibration of Purchased and Outsourced Components	Check whether purchased components and outsourced parts comply with standards or drawing specifications; take actions in accordance with relevant provisions of the quality manual if non-compliance is found.	Ensure that the supporting components used in products meet the requirements of corresponding standards, order conditions and drawing specifications.
Installation of Components	1. Install in accordance with positions specified in construction drawings. 2. Check the tightening degree of connecting bolts and other fasteners.	1. Ensure correct and reasonable arrangement of primary components inside the cabinet. 2. Ensure firm installation of primary

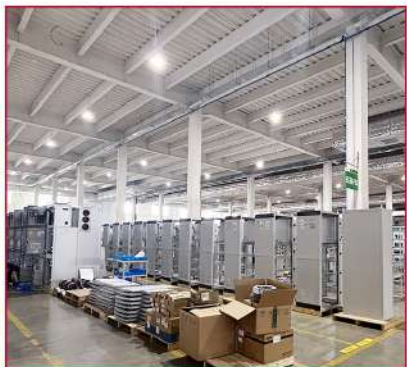
Process Flow >>

Process Flow Chart



- ▶ **Product Design:** Conduct scheme design based on project requirements, and output measurement drawings, wiring diagrams and bill of materials.
- ▶ **Procurement & Supply:** Purchase materials in accordance with the outsourcing and external-processing list, and issue materials after incoming inspection is qualified.
- ▶ **Scheduling & Process Planning:** Formulate production work orders and process cards to guide production execution.
- ▶ **In-process Inspection:** Perform quality inspection on key processes to ensure products meet requirements.
- ▶ **Machining & Assembly:** Achieve collaborative operation between the machining workshop and assembly workshop to ensure efficient production flow.
- ▶ **Final Inspection & Testing:** Carry out final inspection and various tests upon completion of complete assembly to ensure product performance meets standards.
- ▶ **Packaging & Delivery:** Conduct packaging after passing inspection and arrange delivery.

Factory and Equipment



Certificate >





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