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Switchgear

Placement of circuit equipment,
convenient maintenance,
maintenance, deployment of
electricity



Constructing
World Bridge of Power System,
Providing Excellent Products From
XIYA

Key Of Power Electric Professional

- Composite Insulator
- Disconnecting Switch
- SF6 & Vacuum Circuit Breaker
- Surge Arrester
- Whole Set Cabinet
- Fitting&Clamp (Hardware)
- Wall Bushing
- Loadbreak Switch
- Switchgear
- Fuse Cutout
- Cable Accessories
- Vacuum interrupter



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Blockset Series Switchgear(LV)

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Main Technical Parameters

Rated Voltage	380V,480V,690V	Rated current	600A~6300A
Product Material	Al	Rated Insulating Voltage	1000V
Outdoor/Indoor	Indoor	Module Unit	40
Cubicle type	Withdrawable or fixed	Frequency	50/60Hz
Phase	AC 3 phase	Protection degree	IP30, IP43 and IP54
Maximum Inlet and outlet switch	6300A	Maximum motor capacity	250kW

Product Characteristics

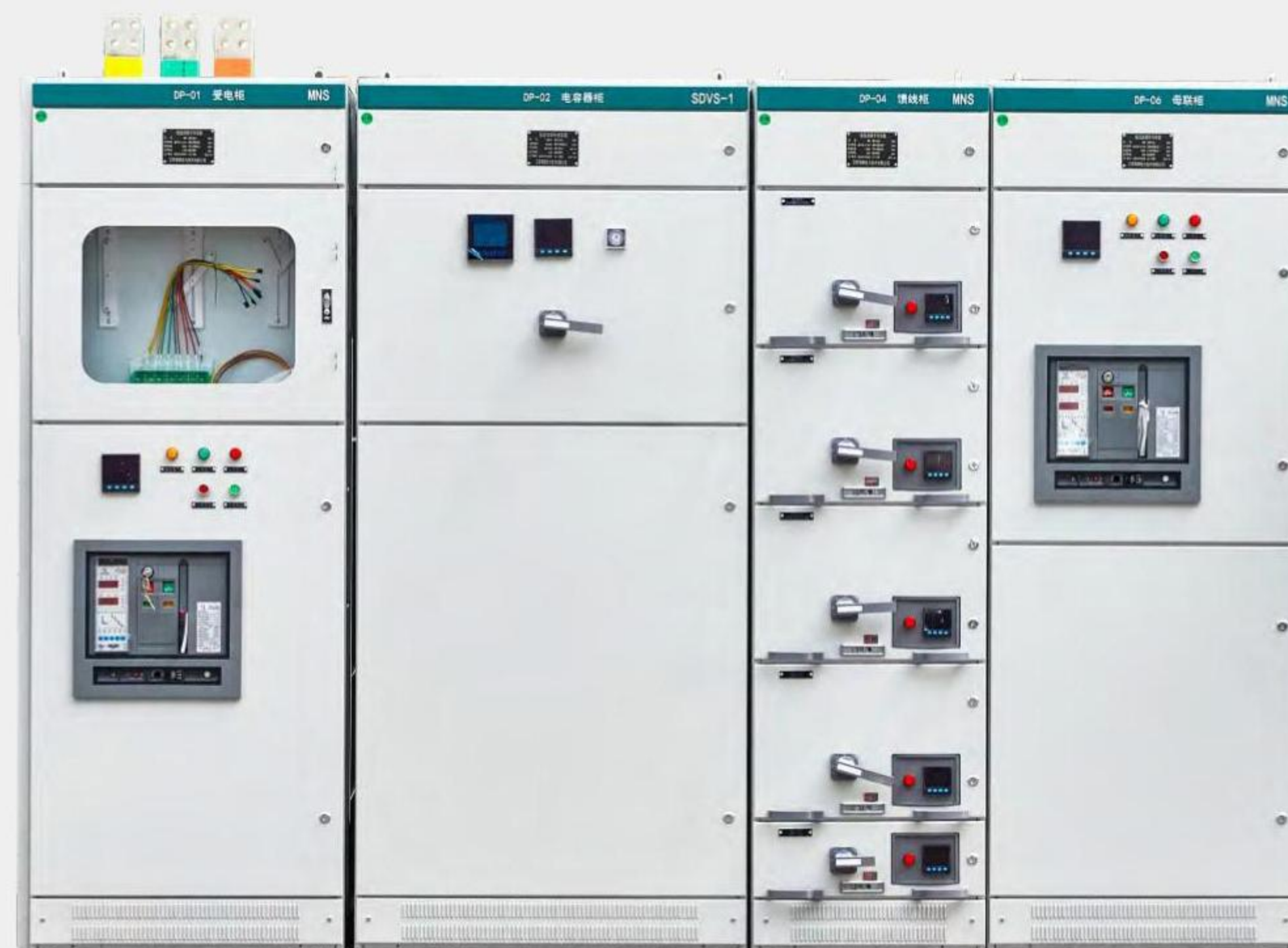
Complete range: system implementing tested Schneider electric switchgear.
 Components with protection devices designed as per optimum coordination.
 Dependability: designed and tested according to international standards.
 Modular: an assembly of standardized prefabricated components,enabling fast manufacturing, easy modifications and reduced cost.
 Intelligence: combine the components with senior protection and communication functions into equipment for power distribution and motor protection.

Service conditions:

Room environment: -5 to +40℃ , no higher than +35℃ for daily average;
 Altitude: not exceeding 2000m;
 Relative humidity: no more than 50% at +40℃ , lower temperatures allowing greater relative humidity (can reach 90% when temperature +20℃);
 Earthquake intensity: not exceeding 7 Richter scale;
 Protection degree: IP30, IP43 and IP54.

MNS Series Switchgear(LV)

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MNS Series Switchgear(LV)

Main Technical Parameters

Item	Name		Parameter
1	Rated frequency (Hz)		50/60Hz
2	Rated voltage (v)		380-660v
3	Rated insulation voltage (v)		660-1000v
4	Rated current(A)	horizontal busbar	4000A
		vertical busbar	2000,1000A
5	Rated short time withstand current(A)	horizontal busbar	50/80KA
		vertical busbar	50KA
6	Rated peak withstand current(A)	horizontal busbar	105/176kA
		vertical busbar	105kA
7	Rated impulse withstand voltage		8kv
8	Auxiliary circuit rated voltage		AC380v,220v/DC220v
9	Maximum incoming and outgoing circuit breaker		4000A
10	IP level		IP30,IP40,IP54
11	Operate module		Local, Remote, Auto

General Description

MNS series Low voltage withdrawable type switchgear is used for conversion, distribution and control of electrical energy of power distribution equipment of AC 50~60Hz, 400V. It is mainly used in airports, power plants, substations, petrochemical plants, metallurgical plants, steel plants, transportation energy, light textile and residential districts, high-rise buildings, etc. The switchgear conforms to IEC439, GB/T7251.1 and other professional standard. It uses standard module design, and it can respectively form standard units such as protection, operation, conversion control, regulation, determination and indication. Over 200 types of assembly parts can form frame structures of different schemes, and form fixed separation or drawer units. The users can select assemblies arbitrarily according to their demands.

Service Conditions

- 1.Installation site: Indoor.
- 2.Altitude: No more than 2000m.
- 3.Earthquake Intensity: No more than 8 degrees.
- 4.Ambient Temperature: No more than+40℃ and no less than - 15℃. Average temperature is no more than +35℃ within 24 hours.
- 5.Relative Humidity: the average daily value is no more than 95 %, the average monthly value is no more than 90%.
- 6.Installation locations: without fire, explosion danger, serious pollution, chemical corrosion and violent vibration.

GCK Series Switchgear(LV)

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GCK Series Switchgear(LV)

Main Technical Parameters

Product Name	LV GCK Drawer Type Electrical Switch Cabinet / Drawout Power Distribution Switchgear	Brand Name	XIKAI
Rated Voltage	380V,400V,660V	Rated current	630-3150A
Product Material	Galvanized Steel	Dimensions	(400-800)*(600-1000)*2200mm
Outdoor/indoor	Indoor	Product color	grey
Application	Power distribution	Frequency	50/60Hz
Phase	AC 3 phase	IP level	IP40

General Description

GCK type LV switchgear is suitable for three-phase AC 50/60HZ, maximum voltage 660V, rated current to 3150A system and three-phase four wire and three-phase five wire, it is widely used in power plants, substations, industrial and mining enterprises, hotels, airports, docks and the building of broadcasting and communication center, transmission & distribution and the electric energy conversion, power distribution and power consumption in PC and motor control center MCC.

This series of products with high breaking capacity, good dynamic stability, advanced and reasonable structure, electrical program of practical, series, strong versatility, various schemes of unit combination, a cabinet contained many circuits, save the area, beautiful appearance, high level protection, safe and reliable, convenient maintenance etc.

It accords with the standards IEC439 NEMA ICS2-322 as well as the GB7251-87 "Low voltage complete switch device" national standards and ZBK36001-89 "low voltage withdraw type complete switch device" professional standards".

Structure Characteristics

- 1.Internal structure galvanized, external pickling phosphating.
- 2.The cabinet is made of profiled steel and positioned by a 3-dimensional gusset plate.
- 3.The mounting holes of the bar frame and parts change according to the modulus E=25mm.
- 4.The motor control center (MCC) switchgear has two types: wall-mounted and not wall-mounted. The top is the horizontal busbar area, and the horizontal area is the drawer functional unit area.
- 5.The structure of the power center (PC) feeder cabinet is similar to that of the incoming line cabinet. When the feeding current is 630A~1600A, a cabinet of 1000*1000*2200 (width*depth*height) can be installed with two circuits, which are installed up and down.
- 6.The drawer function unit and the door are mechanically interlocked by the operating mechanism of the main switch. The functional unit compartments are separated by metal loose, the drawers are interchangeable and have a working position, a test position and a separation position.

GGD Series Switchgear(LV)

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GGD Series Switchgear(LV)

Main Technical Parameters

Product Name	Low Voltage GGD Switchgear	Brand Name	XIKAI
Rated Voltage	400V,690v	Rated current	630-4000A
Product Material	Al-Zinc Steel Sheet	Dimensions	(400-800)*(600-1000)*2200mm
Outdoor/indoor	Indoor	Product Color	grey
Application	Power distribu on	Frequency	50/60Hz
Phase	AC 3 phase	HS code	8537109090

General Description

The GGD low voltage switchgear is applied in power plant, substations, industry and mine corporations etc. with rated voltage 400V, max operating current 4000A and rated frequency 50/60Hz. It can be applied as power conversion and distribution control etc. The cabinet structure of GGD type adopts the form of general cabinet, the frame is assembled by local welding of cold bending section steel, so it is firm and solid. The parts of the general cabinet are designed according to the principle of module, and have the installation hole with 20mm as the module, and the common coefficient is high. It can make the factory realize the pre-production, not only shorten the production cycle, but also improve the working efficiency.

Service Conditions

Normal use conditions

- 1.Ambient temperature:-5℃ ~ +40℃ , the average temperature within 24 hours is not higher than+35℃
- 2.Altitude: 2000m and below.
- 3.Relative humidity: no more than 50% when the maximum temperature is +40℃ , and larger relative humidity is allowed at lower temperature: (for example, it is 90% when +20℃) . It should be taken into account that the change of field temperature may occasionally produce condensation.
- 4.When installing the equipment, the inclination with the vertical surface shall not exceed 5°.
- 5.The equipment should be installed in a place without severe vibration and impact, and not enough to corrode electrical components. Note: If the above conditions cannot be met, the user can negotiate with our company to solve the special requirements.



Main Technical Parameters

Product Name	Low Voltage Reactive Power Compensa on Cabinet	Brand Name	XIKAI
Rated Voltage	400v	Rated current	up to 4000A
Product Material	Al-Zinc Steel Sheet	Dimensions	(400-800)*(600-1000)*2200mm
Outdoor/indoor	indoor	Product Color	grey
Application	Improving the power quality	Frequency	50/60Hz
Phase	AC 3 phase	HS code	8537109090

General Description

The low voltage reactive power compensation capacitor cabinet is used to make compensation for the reactive power which is required by the inductive loads. The low voltage reactive power compensation capacitor cabinet plays an important role in improving the power factor of the system, improving the power quality, prolonging the service life of the power equipment, reducing the transmission loss of the power grid and suppressing the voltage fluctuation. This equipment can improve the power factor of the system, reduce the reactive current in the line, so it fully responds to the call of the state for the environmental protection and energy saving. This equipment helps users solve their concern of the electricity penalties charged by the electric power supply authorities.

Product Characteristics

- 1.Strong versatility. The compensation cabinet can be combined with various cabinets at home and abroad, such as MNS, GGD, etc;
- 2.Capacitance compensation combinations are diverse and flexible. With Y-type compensation mode, type compensation mode, Y-combination compensation mode;
- 3.Diversity of communication methods. With RS-232/485 communication interface, wireless data transmission module or GPRS module implements long-distance communication;
- 4.Accurate and safe control. Implementation of voltage zero-crossing trigger, no inrush current zero-crossing cut off when put in, no high voltage when breaking;
- 5.Long service life, under maintenance-free, the service life is more than 100,000 hours.

JP Outdoor Integrated Distribution Box(LV)

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JP Outdoor Integrated Distribution Box(LV)

Main Technical Parameters

Serial number	Name	Unit	Parameters
1	Transformer capacity	KVA	30-400
2	Rated operating voltage	v	AC400
3	Operating voltage of auxiliary circuit	v	AC220.AC380
4	Rated frequency	HZ	50
5	Rated current	A	Max 630
6	Rated landing current	A	30-300(Adjustable)
7	Protection level	IP44	

General Description

JP integrated distribution box, is a concentration of measuring, qualification, reactive power compensation and other multi-functional comprehensive outdoor distribution equipment at an organic whole, with a short circuit, overload, over voltage, electric leakage protection function, small volume, beautiful appearance, economical and practical, installed on the outdoor column transformer pole, it is an ideal distribution of urban and rural power grid renovation of a new generation of products

Service Conditions

- 1.Ambient temperature:-25 ℃-+40 ℃;
- 2.Air relative temperature: daily average value is not more than 90%, monthly average value is not more than 90%;
- 3.Altitude: not more than 1000m;
- 4.Installed in a place without severe vibration and impact, and without corrosive gas.

Note: If the above conditions are exceeded, we can negotiate with our company.

XL-21 Motor Control Center(LV)

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XL-21 Motor Control Center(LV)

Main Technical Parameters

Name	Unit	Data
Rated Voltage	V	380
Rated insulation level		690
1 Min power frequency withstand voltage		2500
Rated current of main circuit	A	>630
Branch current		100-630
Rated short circuit breaking current	kA	16/31.5/40.5
Protection class of shell		IP43

General Description

XL-21(G) LV closed type power panel can be used in AC 500V or lower system of three-phase three-wire, three-phase four-wire, three-phase five-wire for electricity-generating and mine enterprises, also for the purpose of power, lighting, distribution. XL-21(G) type low voltage power panel has flexible distribution scheme, convenient combination, good practical performance, new structure and etc.

Service Conditions

1. Altitude: 2000m;
2. The indoor environment shall be non-ash, non-corrosion gas, and rainwater-proof;
3. Ambient temperature: $-25^{\circ}\text{C} \sim +40^{\circ}\text{C}$, the measured average temperature in 24 hours: $\leq 35^{\circ}\text{C}$; the temperature under storage and transportation condition: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$, the temperature in short time $\leq 70^{\circ}\text{C}$;
4. Relative humidity under the highest temperature of 40°C : $\leq 50\%$;
5. No vibration and the oblique mounting angle: $\leq 5^{\circ}$

MV Nex Series Switchgear(MV)

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MV Nex Series Switchgear(MV)

Main Technical Parameters

Product Name	Mv nex series switchgear	Brand Name	XIKAI
Rated Voltage	12KV	Rated Current	4000A
Product Material	Al-Zinc Steel Sheet	Size	2250*(650/800/1000)*(1400/1600)
Trademark	Schneider	Voltage Level	Medium Voltage
Installation	Fixed	Frequency	50Hz
Phase	AC 3 phase	Protection Degree	IP54

Designed by Schneider Electric

MV nex switchgear is designed with a variety of advanced tools, including CAD, synthesis laboratory, dynamic simulation etc.

- MV nex is designed with actual installation, operation and maintenance conditions fully considered:
- Reliable: Users will benefit from the continuously improved operational reliability provided by Schneider Electric during the past over 50 years
- MV nex is designed with actual installation, operation and maintenance conditions fully considered:
- Reliable: Users will benefit from the continuously improved operational reliability provided by Schneider Electric during the past over 50 years
- Simple: Local manual operation is extremely simple, and the analogue illustration on the front panel of each switchgear makes the operating procedures and opening/closing operations easy to understand
- Safe: Perfect mechanical and electrical interlocking effectively prevents misuse

Standards

- All cubicles are tested according to the latest version of IEC publications:
- IEC 60298 and 60694 on MV switchgears and controllers
- IEC 60529 defining enclosure protection class
- Chinese national standard GB3906 and power industry standard DL404
- IEC 60694 and GB11022: general technical conditions for HV switchgears
- IEC 60298 and GB3906: AC metal-enclosed switchgears
- IEC 60056 and GB1984: HV AC circuit breakers
- IEC 60470 and GB/T14808: AC HV contactors and contactor-based motor starters

KYN28-12 Series Switchgear(MV)

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KYN28-12 Series Switchgear(MV)

Main Technical Parameters

Product Name	KYN28A-12 AC Metal-Enclosed Switchgear Equipment	Brand Name	XIKAI
Rated Voltage	3.6kV, 7.2kV, 12kV	Rated Current	630,1250,1600,2000,2500,3150,4000
4s Short Time Withstand Current(kA)	16,20,25,31,31.5,40,50	Rated Peak Withstand Current(kA)	50,63,80,100,125
Rated Frequency	50/60Hz	Voltage Level	Medium Voltage
Protection Level	Enclosure IP4X, partition of each compartment is IP2X	Phase	AC 3 phase

Product Characteristics

KYN28A-12(GZS1) air-insulated metal-clad withdrawable switchgear (hereinafter as "switchgear") is a necessary indoor power distribution equipment 3-phase AC 50Hz. It is mainly used to receive and distribute 3-24kV network electrical and control protection and monitoring to line circuit. Relay chamber panel can install in various types of micro-processor based relay protection device , and can realize the intelligent control system, with remote control, telemetry, remote communication and remote transfer function, through the CAN communication interface with field bus control network to prevent the mis-operation of circuit breaker, to prevent pushing and pulling handcart with load, to prevent grounding switch closed with charged, to prevent the grounding switch in the grounding position transmission and to prevent into live space, which is referred to as the "five-anti" function. The cabinet is equipped with VS1 (ZN63), ZN12vacuum circuit breaker, also can be equipped with imported VD4 vacuum circuit breaker and VC series vacuum contactor.

The switchgear meet the requirements of standard IEC62271-200,IEC62271-100 etc.

Service Conditions

- 1.Ambient temperature:-10℃~+40℃;
- 2.Altitude: Not exceed 1000m above sea level;
- 3.Ambient humidity: Daily average RH ≤95%; Monthly average RH ≤90%
- 4.Water vapor pressure: Daily average RH ≤2.2kPa; Monthly average RH ≤ 1.8kPa There may be condensation, when the temperature plunged with filth, the products apply to the following two conditions more severe than normal.
(1)Condensation not frequently(average monthly not more than two times) with mild pollution;
(2)There is no condensation (average yearly not more than two times) with serious pollution;
- 5.No violent vibration, bumps and vertical gradient not more than 8° of place.

JLSRM-12 Series Gas Insulated Ring Main Unit(MV)



JLSRM-12 Series Gas Insulated Ring Main Unit(MV)

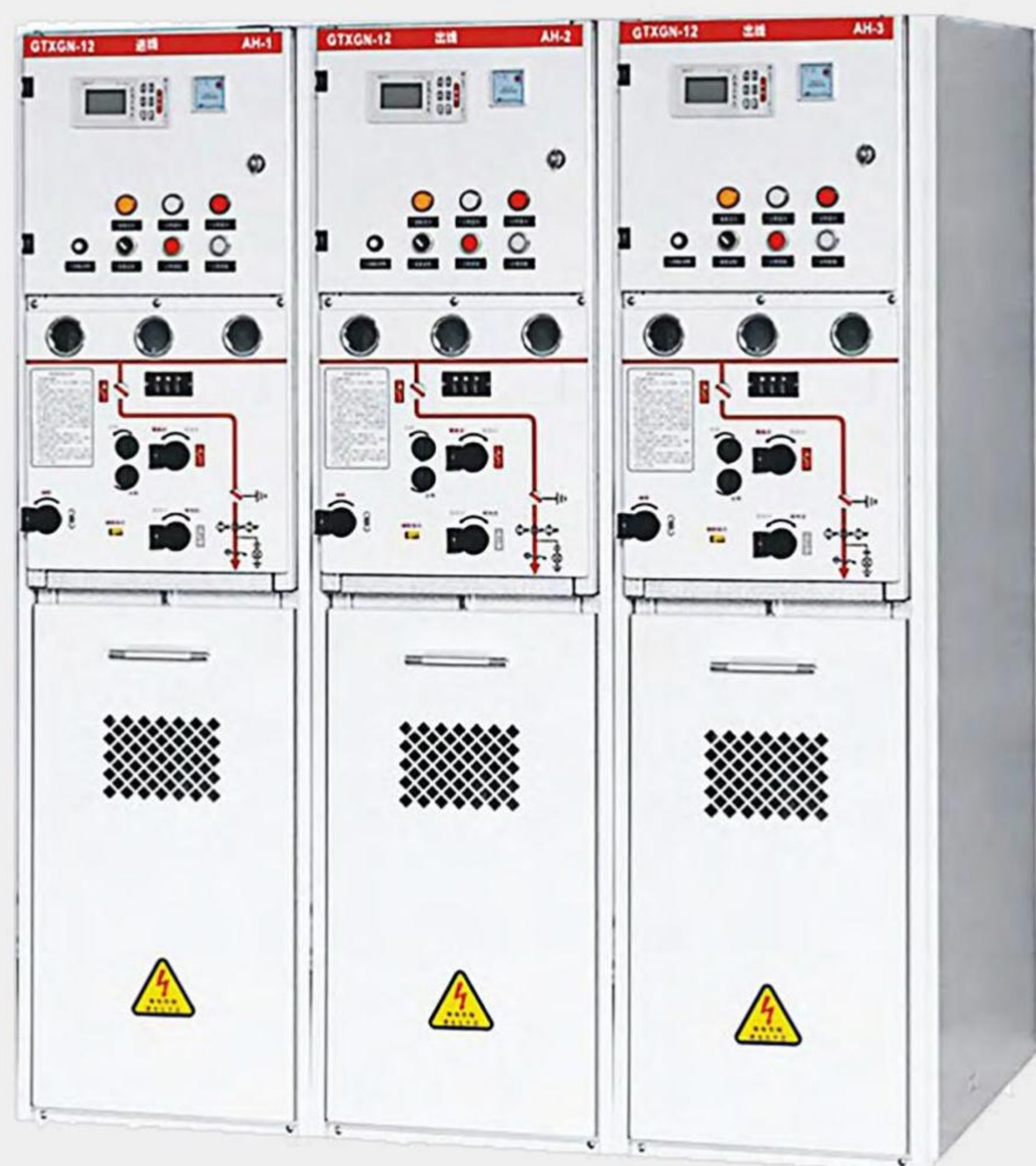
General Description

The JLSRM-12 high-voltage gas-filled ring network cabinet of Xiya Electric Equipment Co.,Ltd is widely used in 10kV/6kV power distribution systems and is the first choice for switch products. it is widely used for various types of urban and rural users' power distribution systems. The switchgear is a modular unit mode, which can be combined according to different purposes; There are two types: fixed unit combination and expandable unit to achieve the flexible use of compact switchgears in various substations. The JLSRM-12 high-pressure gas-filled ring main unit is a completely sealed system and its live parts and switches are enclosed in a stainless steel body. The entire switchgear is not affected by external environmental conditions, thereby ensuring operational reliability and personal safety. And to achieve maintenance-free. By choosing an expandable bus, any combination can be achieved to achieve full modularity. The safety insulation and shielding of the extended bus bar ensure reliability and safety. JLSRM-12 gas insulated switchgear can also provide TV-based automation solutions, forming the concept of intelligent switches, and minimizing the workload of on-site installation and commissioning. JLSRM-12 high-pressure gas-filled ring main unit is divided into non-expandable standard configuration and expandable standard configuration. Due to the combination of full modules with semi-modules and its self-extensibility, thus, it has extremely special flexibility. JLSRM-12 high-pressure gas-filled ring main unit implements GB standards.

Main Technical Parameters

No.	Item	Unit	C Modul (Load Break Switch)	V Module (Circuit breaker)
1	Rated voltage	kV	12	12
2	Rated current	A	630(200A/F)	
3	Rated frequency	Hz	50/60	
4	1 min power frequency withstand voltage	kV	45	45
5	Lightning impulse withstand voltage	kV	75	75
6	Rated transfer current	A	1700	/
7	Rated active load and close circuit breaking current	A	630	
8	Rated cable charge breaking current	A	50/10	
9	Rated short circuit breaking current	kA	/	20
10	Rated short circuit making current(peak)	kA	63	63
11	Short time(2s) withstand current, load switch/earth	kA	25/20	25/20
12	Rated withstand current(peak)	kA	63	63
13	Mechanism life	Times	3000	10000

JLGTRM-12 Series Solid Insulated Ring Main Unit(MV)

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JLGTRM-12 Series Solid Insulated Ring Main Unit(MV)

Product Description

JLGTRM-12 high voltage solid ring main unit is a complete set of power distribution device of 3.6-12kV, three-phase AC 50/60Hz, single bus section system.

The ring main unit has the characteristics of simple structure, flexible operation, reliable interlocking, and convenient installation. It can provide satisfactory technical solutions for various applications and different users. The adoption of sensor technology, automatic control technology, and information technology, coupled with advanced technical performance and simple and flexible assembly schemes, can meet the ever-changing needs of the market and be suitable for the intelligent requirements of the power grid.

The ring main unit is suitable for 50Hz, 12kV power systems, and is widely used in industrial and civil cable ring networks and distribution network terminal projects. As the reception and distribution of electric energy, it is especially suitable for power distribution in urban residential areas, small secondary substations, switching stations, cable branch boxes, box-type substations, industrial and mining enterprises, shopping malls, airports, subways, wind power generation, and hospitals, stadiums, railways, tunnels and other places. Because the product has the advantages of full insulation, full sealing, and full shielding, it is especially suitable for use in areas with high altitude, high temperature, damp heat, severe cold, and serious pollution.

Main Technical Parameters

Item			Unit	Parameter	
Rated voltage			KV	12	
Rated frequency			Hz	50	
Rated current			A	630	1250
Rated insulation level	Power frequency withstand voltage	Across open contacts	KV	48	
		Phase to phase	KV	42	
		Phase to earth	KV	42	
	Lightning impulse withstand voltage	Across open contacts	KV	85	
		Phase to phase	KV	75	
		Phase to earth	KV	75	
Rated short circuit breaking current(1s)			KA	25	31.5
Rated short time withstand current(4s)			KA	25	31.5
Rated peak withstand current(1p)			KA	63	80
Rated short circuit making current(1ma)			KA	63	80
Enclosure protection degree				IP4X	
Operation method				Spring stored energy	

KYN61-40.5 Series Switchgear(HV)

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KYN61-40.5 Series Switchgear(HV)

Main Technical Parameters

Name		Unit	Data
Rated voltage		kV	40.5
Rated current	Rated current of mainbus	A	630, 1250, 1600
	Rated current of circuit breaker	A	630, 1250, 1600
Rated insulation level	1 minutes power frequency withstand voltage between poles, between pole and earth/between fractures	kV	95/110
	Lightning impulse withstand voltage(peak), between poles, between pole and earth/between fractures	kV	185/215
	Power frequency withstand voltage of auxiliary circuit and control circuit	V/min	2000
Rated frequency		Hz	50
Rated short circuitbreaking current		kA	20, 25, 31.5
Rated short time withstand current/ Rated short circuit duration		kA/4s	20, 25, 31.5
Rated peak withstand current		kA	50, 63, 80
Rated short circuit of closing current		kA	50, 63, 80
Rated voltage of control circuit		v	DC:110,220, AC:110,220
Protection level	Switchgear housing		IP4X
	Compartment (when the switchgear door is open)		IP2X

KYN61-40.5 type armored removable AC metal clad switchgear (hereinafter referred to as "switch equipment") is mainly characterized by the use of ZN85-40.5 fully insulated vacuum circuit breaker and spring operating mechanism in the cabinet, and the cabinet body is assembled by sprayed plastics steel plate, which improves the matching accuracy of the handcart and the cabinet. Beautiful appearance, complete scheme, safe and reliable use.

Service Conditions

- 3.1.Ambient temperature: $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 3.2.Altitude: 2000m and below;
- 3.3.Humidity conditions: the daily average value is not more than 95%, and the daily average value of water vapor pressure is not more than 2.2kPa; The monthly average value is not more than 90%, and the monthly average value of water vapor pressure is not more than 1.8kPa.
- 3.4. Earthquake intensity: no more than 8 degrees;
- 3.5.Places without obvious pollution such as corrosive or combustible gases.

Note:

If the above normal conditions of use are exceeded, the user can negotiate with our company.

YB1 Series
European Style Outdoor Prefabricated Substation

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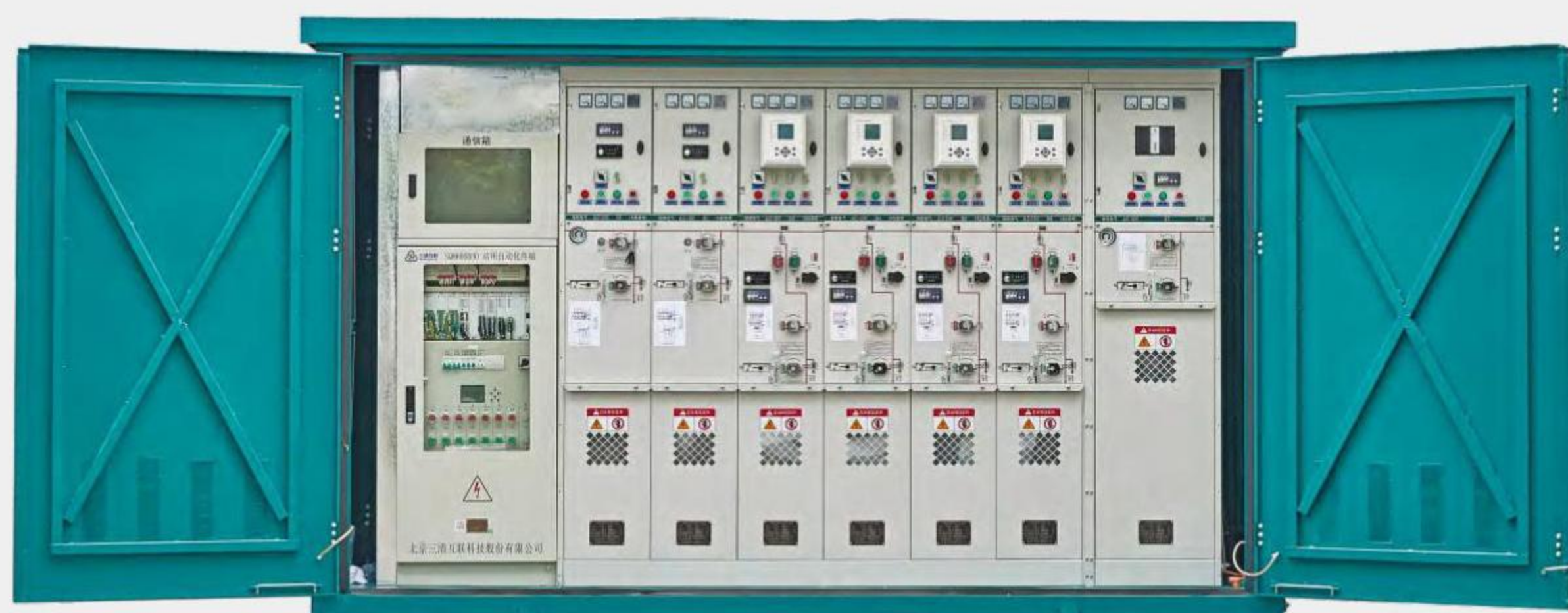
YB1 Series
European Style Outdoor Prefabricated Substation

Main Technical Parameters

Name	unit	High voltage electrical equipment	transformer	Low-voltage electrical equipment
Rated voltage	kV	10	10/10.4	0.4
Rated current	A	630		100-2500
Rated frequency	Hz	50	50	50
Rated capacity	kVA		100-1250	
Rated thermally stable current	kA	20/4s		30/1s
Rated dynamic stabilized current (peak)	kA	50		63
Rated closed short-circuit current (peak)	kA	50		15~30
Rated breaking short circuit current	kA	31.5 (Fuse)		
Rated breaking load current	A	630		
Imin power frequency withstand voltage	kV	Ground, phase 42 between the fractures 48	35/28(5min)	20/2.5
Lightning shock withstands voltage	kV	Ground, phase 75 between the 85	75	
Housing protection class		IP23	IP23	IP23
Noise level	dB	Oil < 55, dry < 65		
Number of circuits	piece	1~6	2	4~30
Maximum reactive power compensation on the low-pressure side	kvar			300

Main Features

YB1 series prefabricated substation is a combination of high-voltage electrical equipment, transformers and low-voltage electrical equipment etc. into a compact complete set of power distribution equipment, which is used in urban high-rise buildings, urban construction, rural construction, residential areas, high-tech development zones, small and medium-sized factories, mining oil fields, temporary construction electricity and other places for the power distribution system to receive and distribute electricity. YB1 prefabricated substation has the characteristics of strong complete set, small size, compact structure, safe and reliable operation, convenient maintenance, and mobility. Compared with the station, the floor area of the box-type substation with the same capacity is usually only 1/10-1/5 of that of the conventional substation, which greatly reduces the design workload and construction volume and reduces the construction cost. In the power distribution system, it can be used in the ring network power distribution system, and can also be used in the dual power supply or radiation terminal power distribution system. It is a new complete set of equipment for the construction and transformation of urban and rural substations.YB1 prefabricated substation conforms to GB/T17467- 1998 "High Voltage /Low Voltage Prefabricated Substation" national standard.



General Description

In the cable engineering of 10kV distribution network of power system, it has become a difficult problem to replace a large number of branches in the empty line of the original distribution network with an economic, reliable and convenient maintenance wiring mode. The emergence of cable distribution box with switch has completely solved this problem and greatly reduced the line failure rate with its fully insulated and fully sealed characteristics, Become the preferred equipment for distribution network cable engineering. Its simple, convenient and flexible connection and combination mode makes it replace the ring main unit in some occasions; When necessary, it can be buried underground or immersed in water, which saves the investment of equipment and cables to improve the reliability of power supply. It is widely used in commercial centers, industrial parks and dense urban areas.

Product Characteristics

Characteristics of cable junction box with switch:

- 1.SF6 fully insulated and sealed module of our company is adopted, with maintenance free design.
- 2.Fully insulated and sealed structure, touchable type, safe and reliable, maintenance free, small and heavy, light weight, compact structure, simple installation and convenient operation. It is suitable for all kinds of harsh environments and meets the requirements of moisture-proof. The protection grade of SF6 gas chamber shall reach Ip65.
- 3.Small volume, easy to install and operate.
- 4.The plastic spraying process and process meet international standards and are corrosion-resistant.
- 5.Take non-toxic, odorless and high insulation strength SF6 gas as its insulation medium, bus bar and connection. All parts and load switches are placed in SF6 air bag to truly realize outdoor, fully insulated and fully sealed structure. The annual leakage rate of SF6 gas is less than 0.25 per thousand. The box is equipped with SF6 gas pressure gauge, which can check the gas at any time. The body pressure can be transmitted to the control center through RTU.
- 6.Fully insulated and touchable cable head is adopted for wiring, and the cable wiring is safe and flexible.
- 7.The ring main unit has perfect anti mis-operation function.
- 8.Be able to realize distribution network automation.
- 9.Service life: 20 years maintenance free.

Solid Insulated

Ring Main Unit RMU with Enclosure

Key of Power
Electric Professional

Solid Insulated

Ring Main Unit RMU with Enclosure

Key of Power
Electric Professional

Product Description

JLSRM-12 solid insulated ring main unit switching station is equipped with shielding type busbar structure with many patented technologies. It can meet all kinds of wiring schemes such as power supply of looped network and branch type power supply, apply to 12kV, 50Hz three-phase AC power distribution system, for ring network power supply or terminal power supply.

Product Characteristics

1. Adopt solid insulation technology, without SF6 gas, comply with environmental protection requirements;
2. The electric parts have been insulated encapsulation, without exposed parts, avoiding discharge between phases;
3. The product is fully insulated, fully shielded, free of maintenance structure, free from external pollution and metal bonding;
4. Modular splicing design, easy to come back to expand, unit change, change the program;
5. The product is equipped with spring operating mechanism, with the power operation, manual operation function, reserve the distribution automation interface;
6. The product is with reliable mechanical chain function, the implementation of five anti chain requirements.

Service Conditions

- 1 Environmental air temperature: $-25^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
- 2 Altitude $\leq 3000\text{m}$;
- 3 Relative humidity: daily mean value is not more than 95%, monthly mean value is not more than 90%;
- 4 Saturated vapor pressure: daily mean value is not more than 2.2kPa, monthly mean value is not more than 1.8kPa;
- 5 Earthquake intensity: not exceeding 8 degree;
- 6 Installation site: without fire risk, explosion hazard, heavy pollution, chemical corrosion and violent vibration. Vertical bank is not more than 5° ;
- 7 Both can be used indoor and outdoor.

KYN61-40.5 Indoor AC Armoured Movable High Voltage Switchgear

Key of Power Electric Professional

KYN61-40.5 INDOOR AC ARMoured MOVABLE HIGH VOLTAGE SWITCHGEAR

KYN61-40.5户内交流铠装移开式高压开关柜



- KYN61-40.5户内交流铠装移开式高压开关柜采用优质敷铝锌板加工制作。具有操作灵活、互换性强、稳定性、安全性能高、智能化程度高等优点。可与国产、进口ZN85-40.5断路器配套使用。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB3906国家标准。

- KYN61-40.5 indoor AC armoured movable high voltage switchgear is using high quality coated aluminium zinc plate processing production. With flexible operation, strong interchangeability, stability, high safety performance, high intelligence etc merit. Can matching with domestic, import ZN85-40.5 breaker to use.
- Apply to power plant(station), substation(distribution room) and industrial, business, building etc.
- Implement GB3906 national standards.

序号 No.	项目名称 Project Name		单位 Unit	数据 Data
1	额定电压 Rated Voltage		kV	40.5
2	额定电流 Rated Current	主母线的额定电流 The Rated Current of Main Bus	A	630, 1250, 1600, 2000
		配用断路器的额定电流 Rated Current with Circuit Breaker	A	630, 1250, 1600, 2000
3	额定绝缘水平 Rated Insulation Level	1min工频耐受电压极间/断口间 1 Min Power Frequency Withstand Voltage Interpolar/between fracture	kV	95/110
		雷电冲击耐受电压(峰值)极间、极地间/断口间 Lightning Impulse Withstand Voltage(peak)interpolar,between phase to the earth/between Fracture	kV	185/215
		辅助回路、控制回路的工频耐受电压 The power frequency withstand voltage of auxiliary circuit, control circuit	V/1min	2000
4	额定频率 Rated Frequency		Hz	50
5	额定短路开断电流 Rated Short Circuit Breaking Current		kA	20, 25, 31.5
6	额定短时耐受电流/额定短路持续时间 Rated Short-time with stand current/Rated duration of short-Circuit		kA/4s	20, 25, 31.5
7	额定峰值耐受电流 Rated Peak Withstand Current		kA	50, 63, 80
8	额定短路关合电流 Rated Short-circuit Making Current		kA	50, 63, 80
9	控制回路额定电压 Rated Voltage of Controlling loop		V	DC: 110,220V AC: 110,220V
10	相间中心距 Interphase Centre Distance		mm	300
11	防护等级Level of P rotection			IP4X
				IP2X
12	重量Weight		kg	2400

XGN17-40.5 Indoor AC Box Type Fixed High Voltage Switchgear

Key of Power Electric Professional

XGN17-40.5 INDOOR AC BOX TYPE FIXED HIGH VOLTAGE SWITCHGEAR

XGN17-40.5户内交流箱型固定式高压开关柜



- XGN17-40.5户内交流箱型固定式高压开关柜系三相交流50Hz(60Hz)线分段系统的户内电力设备，具有空间大、检修方便等优点。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB3906国家标准。

- XGN17-40.5 indoor AC box type fixed high voltage switchgear is th ree-phase ac 50Hz(60Hz)subsection system of the indoor electric power equipment, has a large space, convenient maintenance etc merit.
- Apply to power plant(station), substation (distribution room) and industrial, business, building etc.
- Implement GB3906 national standards.

序号 No.	项目名称 Project Name		单位 Unit	数据 Data	
1	额定电压 Rated Voltage		kV	405	
2	最大额定电流 Maximum Rated Current		A	2000	
3	额定开断电流 Rated B reaking Current		kA	25	31.5
4	额定关合电流（峰值）Rated Making Current(Peak Value)			63	80
5	极限通过电流（峰值）Limiting Th ough-current(Peak Value)			63	80
6	4S热稳定电流4s The rmal Stability Current(Effective Value)			25	31.5
7	额定绝缘水平 Rated Insulation Level	1minT频耐压(有效值) 1 rain Power Frequency Withstand Voltage(Effective Value)	kV	95	
		雷电冲击耐压(峰值) Lightning Impulse Withstand Voltage(Peak Value)		185	
		隔离断口1min工频耐压(有效值) Isolating Fracture1min Power Frequency Withstand Voltage(Effective Value)		110	
		隔离断13雷电冲击耐压(峰值) Isolation Fracture Lightning Impulse Withsfana Voltage(Peak Value)		215	
8	外形尺寸(宽×深×高) Boundary Dimension(W × D × H)		mm	1918 × 3250 × 3125	
9	防护等级 Level of Protection			IP2X	
10	重量 Weight		kg	约1500	

KYN28-□ Indoor AC Armoured Movable High Voltage Switchgear

KYN28-□ INDOOR AC ARMoured MOVABLE HIGH VOLTAGE SWITCHGEAR

KYN28-□ 户内交流金属铠装移开式高压开关柜



- KYN28-□户内交流金属铠装移开式高压开关柜采用优质敷铝锌板加工制作。具有操作灵活、互换性强、稳定性、安全性能高、智能化程度高等优点。可与国产、进口断路器配套使用。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB3906国家标准。

- KYN28-□ indoor AC metal armoured movable high voltage switchgear is using high quality aluminum zinc coated steel plate process and making. With flexible ope ration, strong inter changeability, stability, high safety performance, high intelligence etc merit Can matching with domestic, import breaker to use
- Apply to power plant(station), substation(distribution room) and industrial, business, building etc.
- Implement GB3906 national standards.

序号 No.	项目名称 Project Name	项目名称 Project Name	数据 Data
1	额定电压 Rated Voltage	kV	3, 6, 7.2, 12, 24
2	额定绝缘水平 Rated Insulation Level	1 min工频耐受电压 1min Power F requency Withstand Voltage	kV 42
		雷电冲击耐受电压 Lightning Impulse Withstand Voltage	kV 75
3	额定频率 Rated F requency	Hz	50
4	主母线额定电流 Main Bus—ba r Rated Cu rrent	A	630,1 250,1600,2000,2500,3150,4000,5000,6300
5	分支母线额定电流 Branch Busbar Rated Current	A	630,1 250,1600,2000,2500,3150,4000,5000,6300
6	4S热稳定电流(有效值) 4S Thermal Stability Current(Effective Value)	kA	16, 20, 25, 31. 5, 40, 50
7	额定动稳定电流(峰值) Rated Dynamic Current(Peak Value)	kA	40, 50, 63, 80, 100, 125
8	防护等级Level of P rotection	外壳为IP4X, 隔离间, 断路器室门打开时为IP2X Shell Is IP4X, Isolation Room, when Ci rcuit Breaker Room Door Opened is IP2X	
9	重量Weight	kg	1000

XGN2-12 Indoor High Voltage AC Box Type Switchgear

XGN2-12 INDOOR HIGH VOLTAGE AC BOX TYPE SWITCHGEAR

XGN2-12户内高压交流箱型开关柜



- XGN2-12户内高压交流箱型开关柜具有独立功能室、操作灵活、检修方便、稳定性、安全性高、智能化程度高等优点。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑领域。
- 执行GB3906国家标准。
- XGN2-12 indoor high voltage AC box type switchgear has merits of independent function room, flexible operation, convenient maintenance, stability, high safety performance, high intelligence and others.
- Apply to power plant(station), substation(distribution room) and industrial, business, building etc.
- Implement GB3906 national standards.

序号 No.	项目名称 Project Name	单位 Unit	数据 Data
1	额定电压 Rated Voltage	kV	3,6,7.2,12
2	额定电流 Rated Current	A	630~3150
3	额定短路开断电流 Rated Short-Circuit Breaking Current	kA	20,25,31.5
4	额定短路关合电流(峰值) Rated Short-circuit Making Current(Peak Value)	kA	40,50,80,100
5	额定耐受电流(峰值) Rated Withstand Current(Peak Value)	kA	40,50,80,1 00
6	额定短时耐受电流 Rated Short TimeWithstand Current	kA	20,25,31.5,40
7	额定绝缘水平 Rated Insulation Level	1min工频耐受电压 1 min Power Frequency Withstand Voltage	极间、极对地间断口间 Interpolar,between Phase to the Earth/between Fracture
			kV 24,32,42
		雷电冲击耐受电压 Lightning Impulse Withstand Voltage	极间、极对地间断口间 Interpolar,between Phase to the Earth/between Fracture
			kV 28,38,48
8	额定短路持续时间 Rated Duration of Short-circuit	s	4
9	防护等级 Level of Protection		IP2X
10	结构型式 Structural Style		单母线分段及单母线带旁路 Single Bus-bar Section And Single Bus-bar With Bypass
11	操作方式 Operating Mode		电磁式、弹簧储能式 Electromagnetic Type,Spring Energy-storage Type
12	外形尺寸(宽x深x高) Boundary Dimension(W × D × H)	mm	1200x1300x2650(≥2000A) 1100x1200x2650(一般式)
13	重量 Weight	kg	≈1000

XGN66-12 Indoor High Voltage AC Box Type Switchgear

Key of Power
Electric Professional
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XGN66-12 INDOOR HIGH VOLTAGE AC BOX TYPE SWITCHGEAR

XGN66-12 户内高压交流箱型开关柜



- XGN66-12户内高压交流箱型开关柜具有体积小、经济实惠、操作灵活、方便等优点。
- 适用于发电厂(站)、变电所(配电室)和工业、商业、建筑领域及箱式变电站。
- 执行GB3906国家标准。
- XGN66-12 indoor high voltage AC box type switchgear have merits of small size, economical and practical price, flexible and convenient operation and others.
- Apply to power plant(station), substation(distribution room) and industrial, commercial, construction field and box-type transformer substation.
- Implement GB3906 national standards.



序号 No.	项目名称 Project Name	单位 Unit	技术参数 Technical parameter
1	额定电压 Rated Voltage	kV	10
2	最高工作电压 Maximum Working Voltage	kV	12
3	额定频率 Rated Frequency	Hz	50
4	1min工频耐受电压 1min Power Frequency Withstand Voltage	kV	相间及相对地42、隔离断口48 Interphase And Relatively 42、 Isolating Fracture 48
5	雷电冲击耐受电压 Lightning Impulse Withstand Voltage	kV	相间及相对地75、隔离断口85 Interphase And Relatively To 75、 Isolating 85
6	主母线额定电流 Main Bus-bar Rated Current	A	630
7	额定电流 Rated Current	A	630
8	机械寿命 Mechanical Life	次 Time	5000
9	开断空载变压器容量 Breaking No-load Transformer Capacity	kVA	1250
10	额定热稳定电流 Rated Thermal Current	kA	20(4S)
11	额定动稳定电流 Rated Dynamic Current	kA	50(峰值)(Peak Value)
12	额定关合电流 Rated Making Current	kA	50(峰值)(Peak Value)
13	熔断器最大额定电流 Fuse Maximum Rated Current	A	100
14	额定转移电流 Rated Transfer Current	A	1500(2000)
15	额定短路开断电流 Rated Short Circuit Breaking Current	kA	31.5
16	配电熔断器型号 Power Distribution Fuse Type		S□LAJ-12(XRNT□-10)
17	配电变压器最大额定容量 Maximum Rated Capacity of Distribution Transformer	kVA	1250

SRM□□-12/24 Fully Insulated Fully Sealed Common Box Type Ring Network Switchgear

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SRM□□-12/24 FULLY INSULATED FULLY SEALED COMMON BOX TYPE RING NETWORK SWITCHGEAR

SRM□□-12/24型全绝缘全密封共箱型环网开关柜



- SRM□□-12/24型全绝缘全密封共箱型环网开关柜(简称充气柜)是新一代小型化模块式开关设备。具有结构紧凑，全封闭，全绝缘，长寿命，免维护，占用空间小，安全可靠，不受工作环境影响等优点。
- 适用于小型二次配电站，开闭所，工矿企业，机场，铁路，商业区，高层建筑，公路，地铁，隧道等领域。
- 执行GB3906国家标准。
- SRM□□-12/24 type fully insulated and totally sealed common box type ring network switch cabinet (referred to as inflatable cabinet) is a new generation of miniaturized modular switchgear. It has the advantages of compact structure, fully enclosed, fully insulated, long life, maintenance-free, small footprint, safe and reliable, and not affected by the working environment.
- Suitable for small secondary power stations, opening and closing stations, industrial and mining enterprises, airports, railways, commercial areas, high-rise buildings, highways, subways, tunnels and other fields.
- Implement the GB3906 national standard.

项目名称 Project Name	C 模块 Module	F 模块 Module	V 模块 Module		CB 模块 Module	
	负荷开关 Load Switch	组合开关 Combination Switch	真空开关 Vacuum Switch	隔离/接地开关 Isolation Earthing Switch	真空断路器 Vacuum Circuit Breaker	隔离/接地开关 Isolation Earthing Switch
额定电压 Rated Voltage (kV)	12/24					
额定电流 Rated Current (A)	630	125	630		1250/630	
工频耐受电压 Power Frequency Withstand Voltage (kV)	42/50					
雷电冲击耐压受电压 Lightning Impulse Withstand Voltage (kV)	95/125					
短时耐受电流 Short-time Withstand Current (kV/S)	25/2		20 16/3	20 16/3	25 20/3	25 20/3
短路开断电流 Short Circuit Breaking Current (kA)		31.5	20/16		25/20	
机械寿命 Mechanical Life (次 Time)	5000	3000	5000	2000	5000	5000
SF6气体压力 Gas Pressure (bar)	1.4					
环境条件 Environmental Conditions	温度 Temperature 40℃--25℃ 湿度 Humidity < 95%					

HXGN15-12 Indoor High Voltage Metal Enclosed Switchgear(SF6 Ring Network Cabinet)

Key of Power
Electric Professional
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HXGN15-12 INDOOR HIGH VOLTAGE METAL
ENCLOSED SWITCHGEAR (SF6 RING NETWORK CABINET)

HXGN15-12户内
高压金属封闭开关柜(SF6环网柜)



●HXGN15系列是新一代以六氟化硫开关作为主开关而整柜采用空气绝缘、适用于配电自动化，既紧凑又可扩充的金属封闭开关设备，具有结构简单、操作灵活、联锁可靠、安装方便等特点，对各种不同的应用场合、不同的用户要求均能提供令人满意的技术方案。

●适用于城市居民区配电、小型二次变电站、开闭所、工矿企业、商场、机场、地铁、风力发电、体育场、铁路、隧道等领域。

●执行GB3906国家标准。

●HXGN15 series is a new generation of metal-enclosed switchgear with sulphur hexafluoride switch as main switch and air insulated whole cabinet for distribution automation. It is compact and expandable. It has simple structure, flexible operation, reliable interlocking and installation. Convenient and other features, can provide a satisfactory technical solution for a variety of different applications and different user requirements.

●Applicable to urban residential area distribution, small secondary substation, opening and closing, industrial and mining enterprises, shopping malls, airports, subways, wind power, stadiums, railways, tunnels and other fields.

●Implement the GB3906 national standard.

项目名称 Project Name		单位 Unit	技术参数 Technical parameter
额定电压Rated Voltage		kV	12/24
额定雷电冲击耐受电压 Rated Lightning Impulse Withstand Voltage	相同及相对地Same and Opposite	kV	75/125
	断口间 Between Fracture	kV	85/145
1min工频耐受电压 1min Power Frequency Withstand Voltage	相同及相对地Same and Opposite	kV	42/65
	断口间 Between Fracture	kV	48/79
额定频率 Rated Frequency		Hz	50/60
额定电流Rated Current	主母线Main Bus	A	1 250/630
	分支母线Branch Bus	A	1 250/630
额定短时耐受电流 Rated Short-time Withstand Current	主回路 Main Circuit	kA	20/3S
	接地回路 Earthing Circuit	kA	20/2S
额定峰值耐受电流 Rated Peak Withstand Current		kA	50
转移电流 Transfer Current		A	1700/800
防护等级 Protection Level			IP3X
负荷开关机械寿命Load Switch Mechanical Life		次 Time	2000
接地开关机械寿命 Earthing Switch Mechanical Life		次 Time	2000

GTXGN-12V Type Solid Insulated Switchgear

Key of Power
Electric Professional
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GTXGN-12V TYPE
SOLID INSULATED SWITCHGEAR

GTXGN-12V型
固体绝缘开关柜



●GTXGN-12V型固体绝缘开关柜采用模块化结构设计，实现开关柜任意组合和扩展，方便检修和维护。全绝缘、全密封、免维护，所有带电部分均进行全绝缘处理。采用全绝缘母线，纵向布置，连接方便可靠。设有独立低压室，可装微机保护及各类表计，无需柜顶再加装低压小室，使开关柜排列更美观、紧凑。设有独立低压室，可装微机保护及各类表计，无需柜顶再加装低压小室，使开关柜排列更美观、紧凑。

●执行GB3906国家标准。

●GTXGN-12V solid insulated switchgear adopts modular structure design to realize any combination and expansion of switchgear cabinet for easy maintenance and maintenance. Fully insulated, fully sealed, maintenance free, all live parts are fully insulated. Fully insulated busbars are used for longitudinal arrangement, which is convenient and reliable. It has an independent low-voltage room, which can be equipped with computer protection and various meters. It does not need to install a low-voltage chamber on the top of the cabinet to make the switch cabinets more beautiful and compact. It has an independent low-voltage room, which can be equipped with computer protection and various meters. It does not need to install a low-voltage chamber on the top of the cabinet to make the switch cabinets more beautiful and compact.

●Implement the GB3906 national standard.

项目名称 Project Name	单位 Unit	产品类别 Product Category			
		负荷开关 Load Switch	组合电器开关 Combination Switch	断路器 Breaker	隔离开关 Isolation Switch
额定电压	kV	12	12	12	12
灭弧类型	-	真空	真空	真空	-
额定电流	A	630	125	630	630
额定频率	Hz	50	50	50	50
主回路电阻	mQ	W150	<500 注1	W150	W150
Imin工频耐受电压相同、相对地/断口	kV	42/48	42/48	42/48	42/48
雷电冲击耐受电压相同、相对地/断口	kV	75/85	75/85	75/85	75/85
额定短路开断电流	kA	-	315 注2	20	-
额定短路开合电流	kA	50	80 注2	50	-
额定短时耐受电流	kA/s	20/4	-	20/4	-
额定峰值耐受电流	kA	50	80 注2	50	-
额定电缆充电开断电流	A	10	-	-	-
5%额定有功负载开断电流	A	315	-	-	-
转移电流	A	-	3150	-	-
平均合闸速度	m/s	09 ± 0.2			-
平均分闸速度	m/s	13 ± 0.2			-
分闸、合闸不同期	m/s	W2			-
合闸时间	m/s	25-60			-
分闸时间	ms	17-45			-
合闸弹跳时间	ms	W2			-
机械寿命	次	负荷开关/断路器: 10000;隔离、接地开关:3000			
防护等级		IP67			
局放值	Pc	注1			

上表中注1：用导电棒代替高压熔断器；注2：按高压熔断器；注3：所有环氧绝缘体

MLS-V Low Voltage Switchgear Of Drawer Model

Key of Power Electric Professional >

MLS-V LOW VOLTAGE SWITCHGEAR OF DRAWER MODEL

MLS-V 低压抽屉式开关柜



●MLS型低压抽屉式开关柜是采用标准模块由工厂组装(FBA)的低压开关设备,适用于交流50 (60) Hz、额定工作电压W 400V、额定工作电流5000应以下的供配电系统中,作为电能分配、转换、控制和无功补偿之用。
● 执行 GB7251.1、GB7251.12、JB/T9661、IEC60439-1、BS EN60439-1标准。

●MLS low voltage switchgear of drawer model is the die standard parts by the factory assembly (FBA) of low voltage switchgear, applicable to AC 50 (60 Hz), rated working voltage is less than or equal to 400V, 5000A rated current and the following in power supply and distribution system, as the electrical distribution, conversion, control and reactive power compensation with.
● Implement GB7251.k GB7251.12、JB79661、IEC60439-1、BS EN60439-1 standards.

项目名称 Project Name		技术参数 Technical parameter
额定工作电压 Rated operational Voltage (V)	主电路 Main Circuit	≤AC 400V
	辅助电路 Auxiliary Circuit	≤AC 380V, ≤DC 220V
额定绝缘电压 Rated Insulation Voltage (V)	主电路 Main Circuit	AC 690V
额定冲击耐受电压 Rated Impulse Withstand Voltage (1.2/50 us) kV	主电路 Main Circuit	6、8
额定工作电流(IP4X时)*A Rated Operating Current (IP4Xtime) * A	主母线 Main Bus-bar	≤5000、≤3600 (MLS双面柜 MLS Double side cabinet)
	垂直母线Vertical Bus	790、1000、1250、1600(抽出式), W2500 (插拔式MCCB) 790 1000 1250 1600 (Draw out type),≤2500 (Plug in type MCCB)
额定短时耐受电流kA/1秒 Rated Short Time withstand Current kA/1s	垂直母线Vertical Bus	50、65、80、100
	主母线 Main Bus-bar	50、65、80、90
额定峰值耐受电流kA/0.1秒 Rated Peak-value Withstand Current kA/0.1 s	主母线 Main Bus-bar	105、143、176、220
	垂直母线Vertical Bus	105、143、176、198

* 当防护等级为IP55时,主母线额定工作电流 W2500A。
* When the protection grade is IP55, the main busbar rated working current is less than 2500A.

Mdmax ST Low Voltage Switchgear Of Drawer Model

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MDMAX ST LOW VOLTAGE SWITCHGEAR OF DRAWER MODEL

Mdmax ST 低压抽出式开关柜



●Mdmax ST低压抽出式开关柜骨架采用覆铝锌板双折边技术,水平母线区顶盖可以拆卸,具有抽屉式、可移式、插入式三种 功能单元。抽屉式结构,最高可装配36回路。在不降低防护等级的状态下,可实现抽屉回路的三位置转换,抽屉可移部件位 置定位,可匹配声、光、字三种指示,完善的抽屉式电操回路解决方案。
● 执 行 GB7251.1-2013、IEC60439-1、EN60439.1、DIN-VDE0660、第500部分 BS5486、UTE63-410标准。

● Mdmax ST low voltage switchgear of drawer model frame adopts aluminum zinc coated plate double folding technology, top level bus area can be removed, with drawer type, movable type, insert three functional units. The drawer type structure, the highest can assemble 36 loop. Without reducing the protection degree of the state, can achieve three drawer position loop conversion, the drawer can shift position matching parts, sound, light, three instructions, perfect drawer type electric circuit operation solutions.
● Implementation of GB7251.1-2013, IEC60439-1, EN60439.1, DIN-VDE0660, the 500th part of the BS5486, UTE63-410 standard.

项目名称 Project Name		技术参数 Technical parameter	
额定电压 Rated Voltage (V)	额定绝缘电压 Rated Insulation Voltage	690V/1000VAC, 3P, 1500V DC	
	额定工作电压 Rated Operational Voltage	400V/690VAC, 3P, 750V DC	
	额定脉冲耐受电压 Uimp Rated Impulse Withstand Voltage	6/8/12kV	
	过电压等级 Overvoltage Level	II /III/IV	
	污染等级 Class of Pollution	3	
	额定工作频率 Rated Operating Frequency	至 60Hz	
额定电流 Rated Current	主母线 Main Bus-bar	额定电流Rated Current	至6300A
		额定峰值耐受电流 Rated Peak-value Withstand Current	至220kA
		额定短时耐受电流 Rated Short Time withstand Current	至100kA
	配电母线 Distribution Bus	额定电流Rated Current	至2000kA
		额定峰值耐受电流 Rated Peak-value Withstand Current	至176kA
		额定短时耐受电流 Rated Short Time withstand Current	至 80kA

GCS

Low Voltage Switchgear Of Drawer Model

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GCS
LOW VOLTAGE SWITCHGEAR OF DRAWER MODEL

GCS

低压抽屉式开关柜



- GCS低压抽屉式开关柜具有电气方案灵活、组合方便、实用性强、互换性强、操作灵活、检修方便、防护等级高等优点。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB7251国家标准。
- GCS low voltage switchgear of drawer model with flexible electrical scheme, convenient combination, strong practicality, strong interchangeability, flexible operation, convenient maintenance, high degree of protection etc merit.
- Apply to power plant (station), substation (distribution room) and industrial, business, building etc.
- Implement GB7251 national standards.

主电路额定电压 Main Circuit Voltage Rating (V)		交流 AC 380 (400)、(600)
辅助电路额定电压 Auxiliary Circuit Rate Voltage (V)		交流 AC 200、380 (440)直流 DC 110、220
额定频率 Rated Frequency (Hz)		50(60)
额定绝缘电压 Rated Insulation Voltage (V)		660(1000)
额定电流 Rated Current (A)	水平母线 Horizontal Bus	^4000(6300)
	垂直母线 Vertical Bus(MCC)	1000
母线额定短时耐受电流 Busbar Rated Short-time withstand current (kA/1 s)		50,80
母线额定峰值耐受电流 Busbar Rated Peak withstand Current (kA)		105,176
工频试验电压 Power Frequency Test Voltage(V/1 S)	主电路 Main Curcuit	2500
	辅助电路 Auxiliary Curcuit	2000
母线 Busbar	三相四线制 Three-Phase Four-Wire System	A,B,C,PEN
	三相五线制 Three-Phase Five-Wire System	A.B.C.PEN
防护等级 Level of Protection		IP30
重量Weightkg		650

GCK

Low Voltage Switchgear Of Drawer Model

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GCK
LOW VOLTAGE SWITCHGEAR OF DRAWER MODEL

GCK

低压抽屉式开关柜



- GCK低压抽屉式开关柜具有电气方案灵活、组合方便、实用性强、互换性强、操作灵活、检修方便、防护等级高等优点。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB7251国家标准。
- GCK low voltage switchgear of drawer model with flexible electrical scheme, convenient combination, strong practicality, strong interchangeability, flexible operation, convenient maintenance, high degree of protection etc merit.
- Apply to power plant (station), substation (distribution room) and industrial, business, building etc.
- Implement GB7251 national standards.

项目名称 Project Name		技术参数 Technical parameter
额定绝缘电压 Rated Insulation Voltage (V)		AC660
额定工作电压 Rated operational Voltage (V)		AC380
额定频率 Rated Frequency		50
防护等级 Level of Protection		IP30
额定电流 Rated Current (A)	水平母线 Horizontal Bus	630-3150
	垂直母线Vertical Bus	630-1000
	主电路接插件 Main Circuit connectors	125,200,400
	控制回路接插件 Control Circuit connectors	20
	馈电电路最大电流 Maximum Current Feeding Circuit	1600
	受电电路电流 Withstand Electric Circuit Current	630-3150
额定短时耐受电流 Rated Short-time Withstand Current (kA)	有效值 Effective Value	30,50
	峰值 Peak Value	63,105
元件降容系数 Component Drop Capacity Coefficient		0.8Ie(Ie为元件额定电流) Component Rated Current
单元抽屉分断能力 Unit Drawer Breaking Capacity (kV)		30-50*
辅助电路工作电压 The Auxiliary Circuit Working Voltage (V)		直流 DC： 110, 220 交流 AC： 63-380

短路保护电器用NT□系列熔断器， 断分断能力可达100kA
Short Circuit Protection Appliances with The NtD Series Fuse,Fuse Breaking Capacity UpTo 100ka

MNS

Low Voltage Switchgear Of Drawer Model

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MNS
LOW VOLTAGE SWITCHGEAR OF DRAWER MODEL

MNS

低压抽屉式开关柜



- MNS低压抽屉式开关柜具有电气方案灵活、组合方便、实用性强、互换性强、操作灵活、检修方便、防护等级高等优点。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB7251国家标准。

- MNS low voltage switchgear of drawer model with flexible electrical scheme, convenient combination, strong practicality, strong interchangeability, flexible operation, convenient maintenance, high degree of protection etc merit.
- Apply to power plant (station), substation (distribution room) and industrial, business, building etc.
- Implement GB7251 national standards.

项目名称 Project Name		技术参数 Technical parameter
额定绝缘电压 Rated Insulation Voltage (V)		Ac660
额定工作电压 Rated operational Voltage (V)		AC400
额定频率 Rated Frequency (Hz)		50
防护等级 Level of Protection		IP30, IP40
额定电流 Rated Current (A)	水平母线 Horizontal Bus	630-3150
	垂直母线Vertical Bus	630-1000
	主电路接插件 Main Circuit Connectors	125, 200, 400
	控制回路接插件 Control Circuit Connectors	32
	馈电路最大电流 Maximum Current Feeding Circuit	1600
	受电电路电流 Withstand Electric Circuit Current	630-3150

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GGD

Low Voltage Fixed Type Switchgear

GGD
LOW VOLTAGE FIXED TYPE SWITCHGEAR

GGD

低压固定式开关柜



- GGD低压固定式开关柜具有电气方案灵活、组合方便、实用性强、操作灵活、检修方便等优点。
- 适用于发电厂(站)、变电所(配电室)及工业、商业、建筑等领域。
- 执行GB7251国家标准。
- GGD low voltage fixed type switchgear with flexible electrical scheme, convenient combination, strong practicality, flexible operation, convenient maintenance, etc merit.
- Apply to power plant (station), substation (distribution room) and industrial, business, building etc.
- Implement GB7251 national standards.



型号规格 Model Specifications	额定电压 Rated Voltage (kV)	额定电流 Rated Current (A)		额定短路开断电流 Rated Short Circuit Breaking Current (kA)	额定短路耐受电流 Rated Short Time Withstand Current (kA/1s)	额定峰值耐受电流 Rated Peak Withstand Current (kA)
GGD1	0.4 (0.66)	A	1000	15	15	30
		B	600(630)			
		C	400			
GGD2	0.4 (0.66)	A	1500(1600)	30	30	63
		B	1000			
		C	630			
GGD3	0.4 (0.66)	A	3150-6300	50	50	105
		B	2500			
		C	2000			

YB SERIES
HIGH/LOW VOLTAGE PREFABRICATED TRANSFORMER SUBSTATION

YB系列
高/低压预装式变电站



- YB系列高/低压预装式变电站是由高压电力设备、配电变压器、低压电力设备、电能计量装置和功率因数补偿装置等部分组成一体的电力设备，作为供电、分配电力的设备，具有安装方便、操作简单等特点。
- 适用于工业、商业、建筑、交通等领域。
- 执行GB/T17467国家标准。
- YB series high/low voltage prefabricated transformer substation is made from high voltage electric power equipment, distribution transformer, low voltage electrical equipment, energy measurement device and power factor compensation device etc part of the integration of power equipment, as a power supply, allocation of power equipment, has convenient installation, simple operation etc trait.
- Apply to industrial, commercial, construction, transportation and other fields.
- Implement GB/T17467 national standards.



序号 No.	项目名称 Project Name	单位 Unit	高压电器 HV Electrical Apparatus	变压器 Transformer	低压电器 LV Electrical Apparatus
1	额定电压Rated Voltage	kV	6; 12	6/0.4; 10/0.4	0.4
2	额定容量 Rated Capacity	kVA		I 200~1250 II 50-400	
3	额定电流Rated Current	A	630,800,1250		200-2000
4	额定开断电流 Rated Breaking Current	A kA	负荷开关 Load switch 630A 组合电器取决于熔断器 Composite Apparatus Depends On Fuse		15-63
5	额定短时耐受电流 Rated Short Time Withstand Current	kA	20 kA 25 kA	200~400kVA >400kVA	15x1 30x1
6	额定峰值耐受电流 Rated Peak-value Withstand Current	kA	31.5; 50	200~400kVA >400kVA	30 60
7	额定关合电流Rated Making Current	kA	31.5; 50		
8	工频耐受电压 Power Frequency Withstand Voltage	kV	相对地及相间 Relative and Alternate 42 隔离断口 Isolating Fracture 48	油浸式 Oil-immersed 35 干式 Dry-type 35	W300V; 2 >300V; 2.5
9	雷电冲击耐压(峰值) Lightning Impulse Withstand Voltage (Peak-value)	kV	相对地及相间 Relative and Alternate 75 隔离断口 Isolating Fracture 85	75	
10	箱体防护等级 Tank Protection Grade		IP3X	IP2X	IP30
11	噪声水平Noise Level	dB		油浸式 Oil-immersed < 55 干式 Dry-type <65	

备注：变压器容量小于200kVA时，项目 5、6不做要求 Notes: When transformer capacity is less than 200kVA, items 5,6 is not required.

Intelligent PV/Dedicated Substation For Wind Power Generation

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INTELLIGENT PV/DEDICATED SUBSTATION FOR WIND POWER GENERATION

智能型光伏/风力发电
专用变电站



- 智能型光伏/风力发电专用变电站是一种集高压开关设备、变压器器身、保护熔断器集中放在油箱中，与低压开关柜及相应辅助配套设备于一体的电力设备，产品具有损耗低、户外耐候性强等优点，是光伏发电系统的理想配套设备。
- 适用于工业、商业、建筑、交通等领域。尤其适用于高海拔、低温严寒、沿海潮湿、风沙、盐雾等地区。
- 执行GB/T 17467国家标准。

- Intelligent PV/wind power substation is a kind of power equipment which integrates high-voltage switchgear, transformer body and protective fuse in the fuel tank and integrates with low-voltage switchgear and corresponding auxiliary equipment. The product has the advantages of low loss and strong weather resistance outdoors. It is an ideal equipment for PV power generation system. Prepare.It is suitable for industrial, commercial, construction, transportation and other fields.
- It is especially suitable for high altitude, low temperature, severe cold, coastal humid, windy sand, salt fog and so on.
- Implement GB/T 17467 national standard.

电压 Voltage	系统电压 System voltage	35kV、36.75kV、38.5kV
	高压侧最高工作电压 High voltage side maximum working voltage	40.5kV
	低压侧最高工作电压 Low voltage side maximum working voltage	0.27kV、0.3kV、0.315kV、0.4kV、0.5kV、0.69kV
额定频率 Rated frequency		50Hz
额定绝缘水平 Rated insulation level	高压开关工频耐压 High voltage switch power frequency withstand voltage	95kV
	变压器本体工频耐压 Transformer body power frequency withstand voltage	85kV
	冲击峰值耐压 Impact peak withstand voltage	200kV
	变压器低压侧工频耐压 Transformer low voltage side power frequency withstand voltage	5kV
相数Phase		三相 Three phase
防护等级 Protection level	油箱tank	IP68
	高低压室 High and low pressure room	IP54
	高压室门打开后 After the high pressure chamber door is opened	IP3X

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Mobile Substation

MOBILE SUBSTATION

移动式
变电站



- 移动式变电站是由预制舱体、二次设备屏柜（或机架）、高压柜、舱体辅助设施等组成，在工厂内完成制作、组装、配线、调试等工作，并作为一个整体运输至工程现场，就位于安装基础上。预制舱及其内部的设备实现整套设备由厂家集成，实现工厂化加工，减少现场二次接线，减少设计、施工、调试、工作量，简化检修维护工作，缩短建设周期，有效支撑了电网快速建设。
- 具有标准化、模块化、预制化的技术特点。

- Mobile substation is composed of prefabricated cabin, secondary equipment cabinet（or rack），High-voltage switchgear, cabin auxiliary facilities, etc. It is completed in the factory production, assembly, wiring, commissioning and other work, and as a whole transport to the project site, on the basis of installation. Prefabricated cabin and its internal equipment to achieve the integration of the whole set of equipment by the manufacturer, to achieve factory processing, reduce the secondary wiring site, reduce the design, construction, commissioning, workload, simplify maintenance work, shorten the construction cycle, effectively supporting the rapid construction of the power grid.
- It has the technical characteristics of standardization, modularization and prefabrication.

电压 Voltage	系统电压 System voltage	10kV、35kV
	高压侧最高工作电压 High voltage side maximum working voltage	12kV、40.5kV
	低压侧最高工作电压 Low voltage side maximum working voltage	0.66kV
额定频率 Rated frequency		50Hz
高压开关柜 High voltage switch cabinet	1 min工频耐压电压（有效值）1 min power frequency withstand voltage（effective value）	N42KV、N95KV（相对地 relatively）
	4s额定短时耐受电流 4S Rated short-time withstand current	25kA（有效值 effective value）
	额定峰值耐受电流 Rated peak withstand current	80kA
低压开关柜 Low voltage switch cabinet	1 min工频耐压电压 imin power frequency withstand voltage	3kV
	额定短时耐受电流 Rated short-time withstand current	40kA
	额定峰值耐受电流 Rated peak withstand current	100kA
防护等级 Protection level	高压开关柜外壳 High voltage switch cabinet housing	IP40
	低压开关柜外壳 Low voltage switch cabinet housing	IP40



GG-1A(F)-12型高压开关柜
GG-1A(F)-12 Type High Voltage Switchgear



HXGN-12户内交流箱型高压环网柜
HXGN-12 Indoor AC Box Type High Voltage Ring Net Cabinet



XGN15-12户内交流箱型高压环网柜
XGN15-12 Indoor AC Box Type High Voltage Ring Net Cabinet



JYN2-12户内交流金属间隔式高压开关柜
JYN2-12 Indoor AC Metal Interval Type High Voltage Switchgear



KYN1-12(Z)户内交流金属铠装移开式高压开关柜
KYN1-12(Z) Indoor AC Metal Armoured Movable High Voltage Switchgear



GGJ低压无功补偿柜
GGJ Low Voltage Reactive Power Compensation Cabinet



XL-21动力配电柜
KRXL-21 Impetus Power Distribution Cabinet



户外动力箱
Outdoor Power Box



直流电源屏
DC Power Supply Panel



高压电缆分支箱
High Voltage Cable Branch Box