



# HENGFENGYOU ELECTRIC PRODUCTION BROCHURE

— SMART ELECTRIC GLOBAL SERVICE PROVIDER  
MAKE LIFE BETTER!



【Reduced version】

Make  
li<sup>e</sup> better



HENG FENGYOU  
• Make Life Better •

# HENGFENG YOU MAKE LIFE BETTER

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Qingdao hengfengyou electrical engineering co., LTD. Is a professional electrical enterprise engaged in the manufacture and sales of high and low voltage complete sets of electrical equipment and components. Company is located in the beautiful coastal city of Qingdao, China, the company since its inception, has been adhering to the "smart technology, illuminate the future, let the life become more beautiful" service concept, adhere to carry forward the "integrity, innovation, customer achievement" of the enterprise purpose, to "quality products, the whole heart service" for the business of the team spirit, to serve customers at home and abroad.

The company's main services: transformers, high and low voltage switchgear, box-type transformers, American transformers, wire and cable.

Hengfengyou will, as always, be honest and virtuous, realistic and pragmatic, maintain and strengthen our brand. Based on customer satisfaction as the basic principle of "quality satisfaction, advanced technology, satisfaction, service satisfaction" continuously improve the comprehensive competitiveness of enterprise, in the competition and development, seeks the opportunity in the challenge, I believe that the company will provide you with more quality products and services, and sincerely hope to build a future with customers at home and abroad long-term win-win cooperation!

# DIRECTORY

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DIRECTORY

# TRANSFORMER SERIES

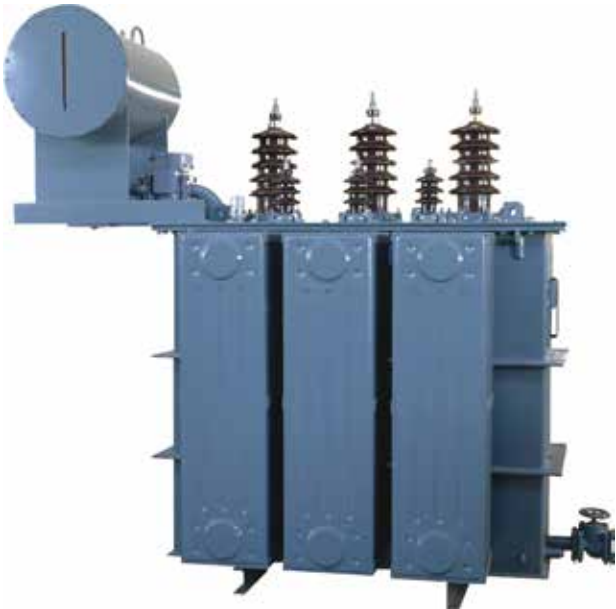
## DRY TYPE TRANSFORMER

### Epoxy resin insulated dry type transformer:

SCB10, SCB12 series dry-type transformers are independently developed by introducing foreign advanced technology. The coils are sealed by epoxy resin, so they are flammable, fireproof, explosion-proof, maintenance-free, pollution-free, small in size, and can be installed directly in the load center.- Scientific and reasonable design and pouring process make the local discharge of the product smaller, lower noise, and stronger heat dissipation ability. The product is equipped with intelligent temperature controller, with fault alarm, overtemperature alarm, overtemperature trip and black box functions, through RS485 serial interface and computer connection, can be centralized control.



# OIL-IMMERSED TRANSFORMER



35 kV series oil immersed transformers



10 kV series oil-immersed transformers

Energy saving and consumption reduction is the theme of the energy field. Line loss rate is one of the three important assessment indexes of energy saving and consumption reduction in electric power enterprises. The loss of 10kV distribution transformer accounts for 17% of the total loss in the region, and 20% of the total loss of 10kV and below distribution network. S11 series transformer is a new type of energy saving, material saving and environmental protection products developed on the basis of summing up S9 and S10. The core is made of high-quality cold-rolled grain oriented silicon steel sheet and multi-stage stepping fully oblique joint structure. Compared with S9 series distribution transformers, the no-load loss of S11 distribution transformers can be reduced by 30%. It has the characteristics of simple and reasonable structure, good strength, light weight, smooth oil channel, good heat dissipation, small loss and so on. It has achieved the purpose of energy saving and consumption reduction, and is in line with the national industrial policy.

# NEW ENERGY SERIES

## WIND POWER SERIES



Wind change 35 kv and 10 kv box, two American box can be used two patterns change or European box, beauty is suitable for small capacity reliability requirement is not high, small wind turbines, the front layout structure, European box is suitable for large capacity of wind turbines use, function expansion space is large, generally USES the European word decorate, reasonable and effective use of space. The construction period is shortened, the project cost is reduced, and the reliability of power grid operation is improved.

## SOLAR SERIES



Photovoltaic box transformer is a special box transformer for photovoltaic power generation. It is a high-pressure/low-voltage pre-installed substation (hereinafter referred to as the substation) that integrates high-voltage switchgear, transformer body and protective fuse in the oil tank, and low-voltage switchgear and the corresponding auxiliary equipment. It has the advantages of compact structure, small occupation area, good heat dissipation effect, intelligent operation, safe and reliable volume, convenient installation and use and high cost performance.

# HV/LV SWITCHGEAR SERIES

Switch cabinet is a kind of electrical equipment, switch cabinet outside first into the cabinet main control switch, and then into the sub-control switch, each branch according to its need to set. Such as instrument, automatic control, motor magnetic switch, various AC contactors, etc., some also set high pressure chamber and low pressure chamber switchgear, with high pressure bus, such as power plants, etc., some also set as the main equipment of low cycle load reduction.

## ◆ Classified by voltage class

According to the classification of voltage grade, AC1000V and below are usually called low-voltage switchgear (such as PGL, GGD, Gck, GBD, MNS, etc.), while AC1000V and above are called high-voltage switchgear (such as GG-1A, XGN15, KYN48, etc.). Sometimes the voltage in the high voltage cabinet is AC10KV called the medium voltage cabinet (such as XGN15 type 10KV ring network cabinet).

## ◆ Classified by voltage waveform

Divided into: AC switchgear, DC switchgear.

## ◆ Classified by internal structure

Extractable switchgear (such as GCS, GCK, MNS, etc.), fixed switchgear (such as GGD, etc.)

## ◆ By use

Inlet cabinet, outlet cabinet, metering cabinet, compensation cabinet (capacitor cabinet), corner cabinet, bus cabinet.



# HV/LV SWITCHGEAR SERIES

## GCK



GCK draw-out switch cabinet is widely used in power distribution center PC and motor control center MCC of power plants, substations, factories and mining enterprises and high-rise buildings. It is used for centralized control of power distribution and motor in power generation and power supply system with AC of 50-60Hz, rated working voltage of 660V and below, rated current of 4000A and below. Low voltage complete distribution unit for reactive power compensation.

# MNS



In order to meet the needs of the development of the electric power industry, the MNS series low-voltage switchgear design and improve the development of advanced low-voltage switchgear with reference to foreign MNS series. This product conforms to the national standard GB7251, VDE660 and ZBK36001-89 "low voltage extraction type complete switchgear", the international standard IEC439 provisions of MNS type low voltage switchgear to meet the needs of various power supply, distribution, can be widely used in power plants, substations, industrial and mining enterprises, building hotels, municipal construction and other low voltage distribution system.

# GGD



GGD fixed switchgear is a low-voltage power distribution cabinet designed according to the requirements of the department of energy, the majority of power users and the design department, based on the principles of safety, economy, rationality and reliability. The product has the characteristics of high breaking ability, good dynamic and thermal stability, flexible electrical scheme, convenient combination, series, strong practicability, novel structure, high protection level. Power user AC 50Hz, rated working voltage 380V, rated working current up to 3150A power distribution system, used for power conversion, distribution and control of power, lighting and distribution equipment.

# KYN28-12



KYN28-12 metal-armoured central switchgear is a switchgear designed and developed by referring to foreign advanced switchgear and combining with China's national conditions. The switchgear adopts the middle structure, which saves about 50% of the space of the circuit breaker room, and is convenient for cable installation. The primary circuit switch is installed on the car which can be extracted, and the car with the same specification can be easily interchanged. The armoured structure is adopted, and the components are installed in a grounded compartment separated by a metal partition. The protection class of the switchgear is IP4X. Choose German Tread ISM series permanent magnet mechanism vacuum circuit breaker, can be equipped with VS1, VD4, ZN63 vacuum circuit breaker, switch cabinet can be connected with the protection system, with "four remote" function, to realize the automation of distribution power station.

# KYN61-40.5



KYN61-40.5(Z) refers to a complete set of indoor power distribution device with three intersecting flow of 50Hz and rated voltage of 40.5KV, which is armoured shifting type AC metal closed switchgear. As power plants, substations and industrial and mining enterprises to receive and distribute electric energy for use, to the circuit control, protection and detection functions, but also can be used for frequent operation places. Switching equipment cabinet structure adopts assembly type, circuit breaker adopts hand-car floor-type structure; Equipped with a new type of composite insulated vacuum circuit breaker, and has good interchangeability; The handcar frame is equipped with a screw nut pushing mechanism, which can easily move the handcar and prevent the wrong operation from damaging the pushing mechanism; The interlock between the main switch, hand car and switch cabinet doors adopts forced mechanical locking mode to meet the "five prevention" function; Protection class of the shell is IP3X. When the door of the hand compartment is open, protection class is IP2X.

# 10 KV GAS SWITCHGEAR



DXG-12 (C) indoor AC high voltage gas insulated metal closed switchgear is a new generation of switchgear. The main switch can be either vacuum circuit breaker with permanent magnet mechanism or vacuum circuit breaker with spring mechanism. The whole cabinet is combined with air insulation and sulfur hexafluoride gas compartment, which is compact and expandable, suitable for distribution automation. The inflatable cabinet has the characteristics of compact structure, flexible operation, reliable interlock, etc., which can provide satisfactory technical solutions for various application occasions (especially the places with bad environment) and different user requirements. The sensing technology and the latest protection relay, coupled with advanced technical performance and light and flexible assembly scheme, can fully meet the different needs of users. The inflatable cabinet is suitable for small secondary substations, open and close stations, box-type substations, residential areas, industrial and mining enterprises, large shopping malls, especially for airports, subways, railways and other occasions with higher demand for electricity.

# DC POWER PANEL



DC panel is short for DC operating power system. The general name is intelligent maintenance-free DC power supply screen, referred to as DC screen, the general model is GZDW.- Simply put, a DC panel is a device that provides a stable DC power supply. (in the input of 380V power supply directly converted to 220V, in the input (municipal power and standby power) have no input, directly converted to battery power supply - DC 220V: actually can also be said to be a kind of industrial special emergency power supply).

# COMBINED SUBSTATION SERIES

## EUROPEAN BOX- TYPE TRANSFORMER SUBSTATION



The biggest characteristic of the landscape type box transformer shell is that it is beautiful in appearance and easy to coordinate with the environment. The landscape type box transformer shell is mostly made of aluminum plated zinc steel plate and container manufacturing technology, and the appearance is beautiful in design. Under the premise of ensuring the reliability of power supply, it is easy to coordinate with the surrounding environment by choosing the color of the box substation shell. The box variable shell is used in accordance with good operating parameters and performance characteristics, and the surrounding environment needs to be selected before use and installation, so that it can show important operational contributions in the use process.



## AMERICAN BOX- TYPE TRANSFORMER SUBSTATION



Combined type American box transformer is the transformer body, high voltage load switch, fuse and other components together in the transformer tank, because immersed in oil, the size of the components is greatly reduced, the structure is more compact, easy to install, flexible. Fully insulated, fully sealed structure, safe and reliable, easy to operate, maintenance-free. Widely used in residential areas, high industry centers, factories and mining enterprises, airports, stations, schools and other places.

# SMART ELECTRICAL GLOBAL SERVICE PROVIDER



PAY ATTENTION TO HENGFENG YOU  
MAKE LIFE BETTER

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