



HENGFENGYOU ELECTRIC GROUP [Version 202201] PRODUCTION BROCHURE

— SMART ELECTRIC GLOBAL SERVICE PROVIDER
MAKE LIFE BETTER!



Make
li e better



HENG FENGYOU
• Make Life Better •

DIRECTORY

Company Profile	-----	2
Products	-----	3
Certification	-----	23



DIRECTORY

HENGFENGYOU ELECTRIC

SMART ELECTRIC GLOBAL

SERVICE PROVIDER

HENGFENGYOU ELECTRIC GROUP, is an electrical enterprise with transmission and distribution industry as its main business, integrating product research and development, manufacturing and trade. Designated suppliers for the world's top 500 enterprises .Its main products include power transformers, medium and low voltage switchgear, distribution panel ,circuit breakers, transmission tower ,Cable and other power distribution equipment .The group has five department: Transformer department, Panel department, power transmission tower department, cable department and electrical engineering department. HENGFENGYOU ELECTRIC GROUP has been working hard to provide the best transmission, distribution solutions for users all over the world.

Key figures

- Since: 1990
- Revenue in 2018: 635 million yuan
- 550 employees and 30 Electrical Engineers
- 6 production sites in China
- 6% of revenue is invested in R &D

Power distribution solutions that drive the global energy transition

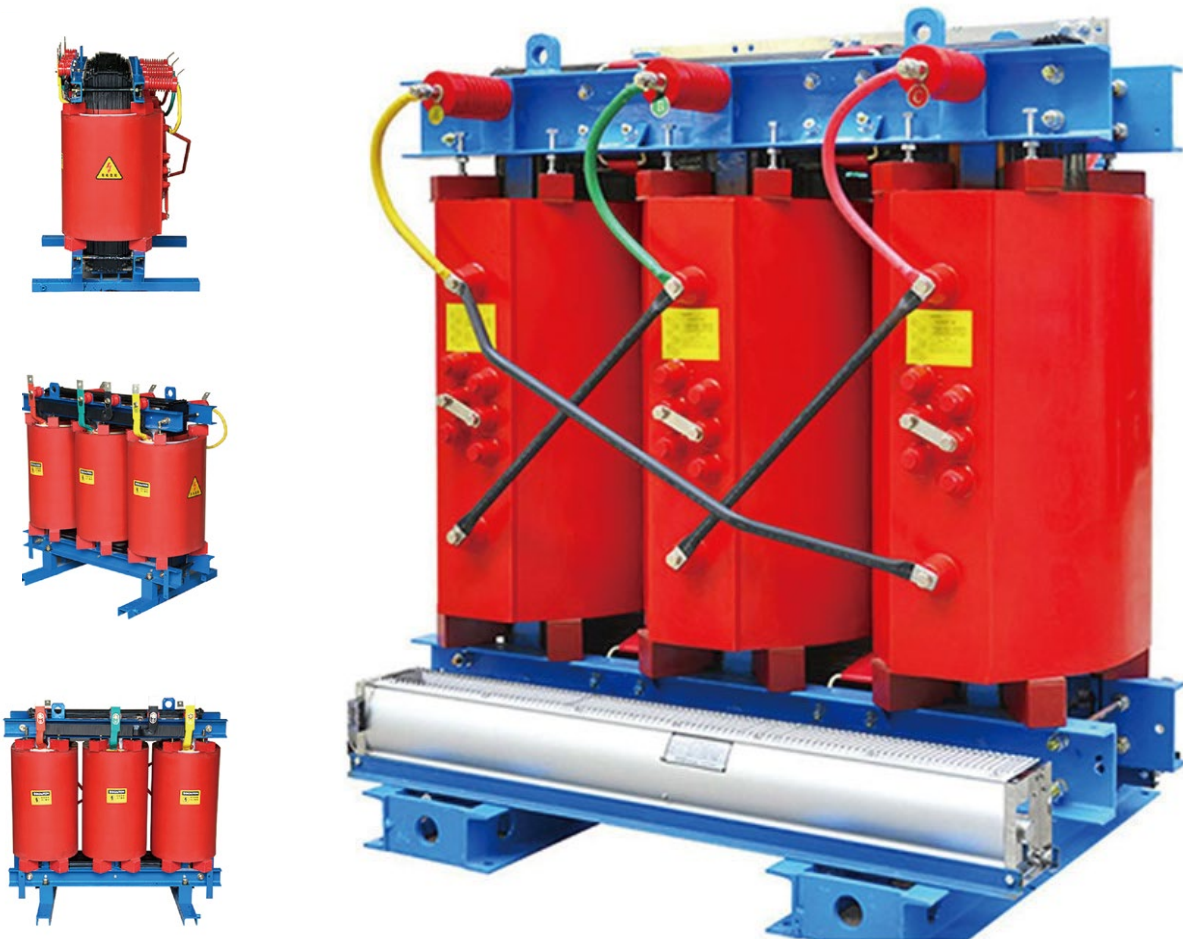
With energy demand expanding in both developed and emerging countries, the challenge for HENGFENGYOU ELECTRIC GROUP is to connect energy with people. The group's teams work as closely as possible with projects and decision makers and design and propose technical and process solutions based on global user needs.

<http://www.hengfengyou.cn> (CN) <http://www.hengfengyou.com> (EN)

TRANSFORMER SERIES

DRY TYPE TRANSFORMER

- The actual measurement of the product is superior to GB and IEC standards, CB CCC Kema SASO certification, etc
- Safer, better fire performance, F1 level
- High lightning impulse resistance level (95kV for 11kv products)
- Equipped with perfect temperature protection and control system, it can operate at 120% of rated load under forced air cooling conditions
- The high reliability of operation verification in more than 50 countries and regions around the world has been sold to: Iraq, Kuwait, UAE, Libya, Zimbabwe, South Africa, Uganda, Rwanda, Ethiopia, Ghana, Uzbekistan, Kazakhstan, Pakistan, Vietnam, Nepal, Bangladesh, Indonesia and other countries, with a cumulative export of 13592 sets
- It is mainly used in urban distribution network below 35KV, power supply and distribution system of industrial and mining enterprises and civil buildings
- Executive standard: IEC 60076 series, GB1094 series, GB / T6451-2008
- The shell materials include aluminum alloy, cold rolled steel plate, stainless steel, etc. for users to choose (protection grade IP20, IP23, etc.)



TRANSFORMER SERIES

OIL-IMMERSED TRANSFORMER



10 / 11kv series
oil immersed transformer

-The actual measurement of the product is superior to GB and IEC standards, CB CCC Kema SASO certification, etc

-The high reliability of operation verification in more than 50 countries and regions around the world has been sold to Iraq, Kuwait, the United Arab Emirates, Libya, Zimbabwe, South Africa, Uganda, Rwanda, Ethiopia, Ghana, Uzbekistan, Kazakhstan, Pakistan, Vietnam, Nepal, Bangladesh, Indonesia and other countries, with a cumulative export of 22598 sets

-It is mainly used in urban distribution network below 35KV, power supply and distribution system of industrial and mining enterprises and civil buildings

-Executive Standards: IEC 60076 series, IEC 6013, IEC 60214-1, IEC 60296; Gb1094-1996, GB / t6451-2008, GB / T7597-2007, etc



33 / 35kV series oil immersed transformer



H61 Distribution Transformer

SPECIAL TRANSFORMER

MINING DRY TYPE TRANSFORMER



KBSG Dry Type Mining Explosion Isolation Transformer



KBSGZY Dry Type Mining Explosion Isolation Moveable Transformer Substation



KSG Mining Dry-type Transformer

>Mining Dry type Transformer is mainly composed of three parts: mine flame-proof mobile substation special dry transformer, mine flameproof mobile substation special high voltage vacuum switch, mine flameproof mobile substation special low voltage protection box. High and low voltage switch with leakage, overload, short circuit, phase break, loss of voltage, PLC control and other functions.

>Mining Dry type Transformer is composed of box shell, box cover, core assembly, insulation assembly, high voltage lead, low voltage lead and railway track trolley.

>It is mainly used for power supply and distribution of various mines such as coal mine, iron mine, aluminum mine, copper mine, gold mine, silver mine, zinc mine, titanium mine, manganese and magnesium, as well as explosive dangerous gas places such as oil field, gas field and oil station. Rated capacity: 50 KVA-2000 KVA. It has the advantages of strong moisture-proof ability and good flame retardant performance.

SPECIAL TRANSFORMER

MINING OIL-IMMERSED TRANSFORMER



Suitable for oil immersed mine power transformers with capacity up to 1250KVA and voltage up to 10KV. This type of mine transformer is the general oil-immersed transformer, and has no explosion-proof requirements. It is mainly used as the power supply of mine lighting or electric power drag during mine distribution.

The mining transformer is made of stacked silicon steel sheet with high orientation and magnetic conductivity. The core is core-type iron core, and the core column is multi-stage round section to ensure the solid structure of the low noise and low loss oil tank. With small volume, easy down, reasonable structure, low loss. Good thermal conductivity and other characteristics.

SPECIAL TRANSFORMER

RECTIFIER TRANSFORMER SERIES



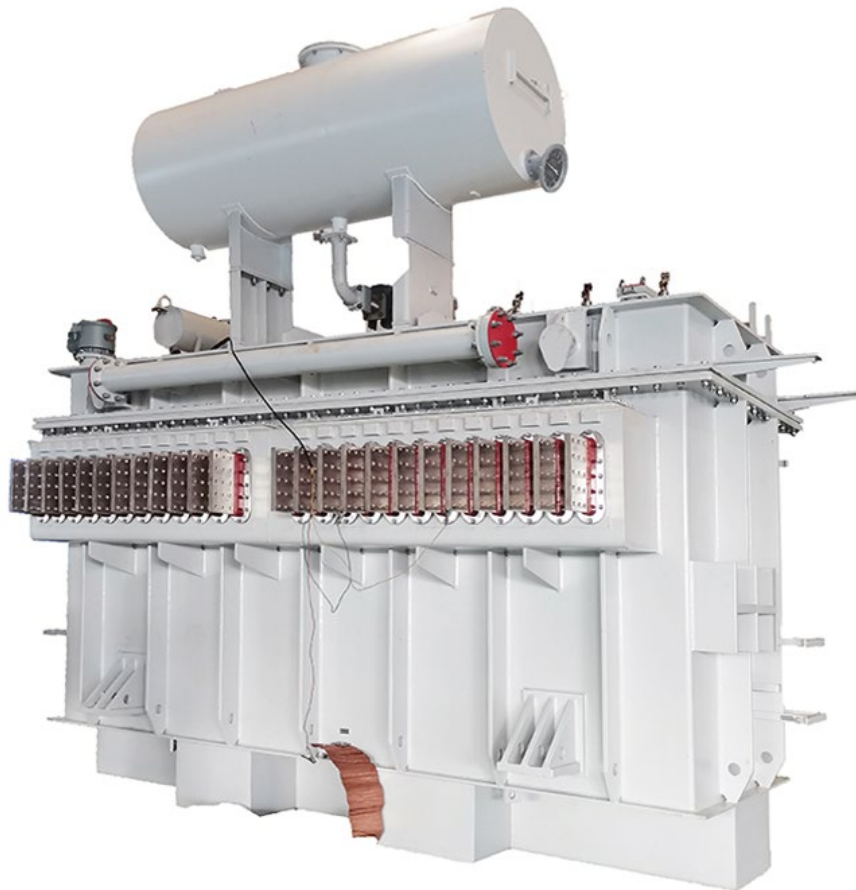
The rectifier transformer is a transformer that converts the power supply of the grid into the power supply required by the rectifier equipment. Widely used in: chemical industry (most used industry) electrolytic non-ferrous metal compounds to produce aluminum, magnesium, copper and other metals; Electrolytic salt to make chlor-alkali; Electrolysis of water to produce hydrogen and oxygen. Dc power supply for traction, used for DC power grid of mine or city electric locomotive.

Dc power supply for transmission is mainly used to supply power to DC motor in electric transmission, such as armature and excitation of rolling mill, dc power supply for electroplating or electric processing, DC power supply for excitation, DC power supply for charging and electrostatic dust removal, etc.

Executive standard: IEC 60076 series

SPECIAL TRANSFORMER

FURNACE TRANSFORMER SERIES



Furnace electric furnace transformer is a professional transformer planned according to various electric furnace working principle, load characteristics and operation characteristics. It includes: arc furnace transformer for steelmaking, ladle refining furnace transformer, slag furnace transformer, mineral heat furnace transformer, power frequency furnace transformer and other communication furnace transformer and medium frequency induction furnace transformer, silicon carbide, graphitization furnace transformer and other DC furnace transformer.

Industrial furnace transformers are mainly divided into three categories: resistance furnace transformers, arc furnace transformers and induction furnace transformers.

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.

NEW ENERGY SERIES

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.

MV/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.

MV/LV SWITCHGEAR SERIES

GCK

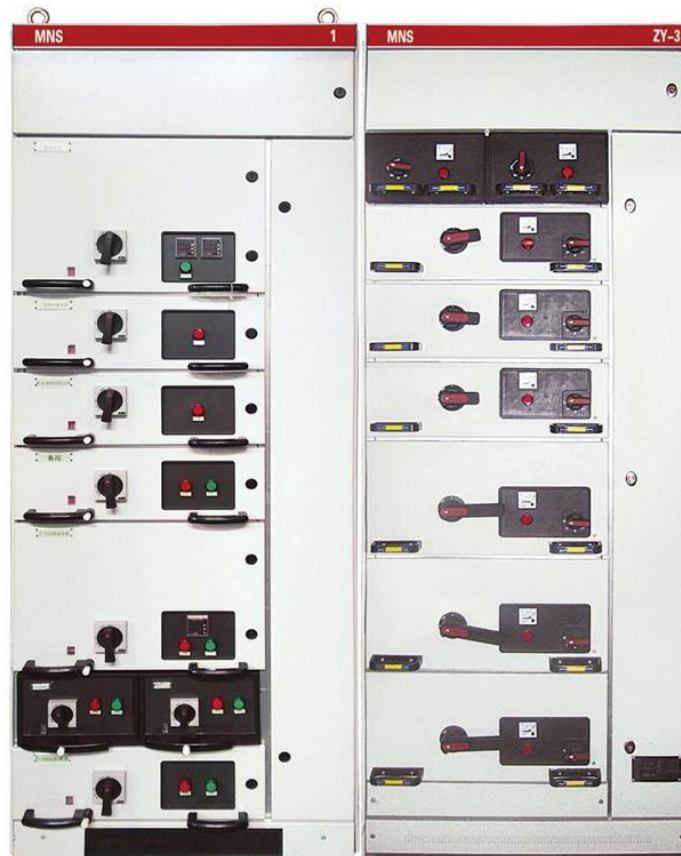


GCK low-voltage complete equipment is applicable to the power supply system with AC 50 ~ 60Hz, rated working voltage up to 660V and rated current of 6300A and below. It is widely used in the low-voltage power distribution system in power plants, substations, industrial and mining enterprises, high-rise buildings and other fields as power receiving, feeding, reactive power compensation, power metering, lighting and motor control center Distribution and control.

This product complies with IEC 61439, GB / T7251 low voltage switchgear and controlgear assemblies and GB / T24274 low voltage withdrawable switchgear and controlgear assemblies and other relevant standards.

MV/LV SWITCHGEAR SERIES

MNS



MNS is a product manufactured by introducing ABB technology. It is a combined low-voltage complete set of equipment assembled with standard modules. It is applicable to the power supply system with AC 50 / 60Hz and rated working voltage of 660V and below. It is widely used in power receiving, feeding, reactive power compensation, electric energy measurement, lighting and centralized motor control in power plants, substations, industrial and mining enterprises and high-rise buildings.

This product complies with IEC 61439, GB / T 7251 low voltage switchgear and controlgear assemblies and GB / T 24274 low voltage withdrawable switchgear and controlgear assemblies and other relevant standards.

MV/LV SWITCHGEAR SERIES

GGD



GGD low-voltage complete equipment is applicable to the power supply system with AC 50 / 60Hz, rated working voltage up to 660V and rated current of 6300A and below. It is widely used in the low-voltage distribution system in power plants, substations, industrial and mining enterprises, high-rise buildings and other fields as power receiving, feeding, reactive power compensation, power metering, lighting and motor control center. Based on the design principles of safety, economy, rationality and reliability, the product has the characteristics of high breaking capacity, good dynamic and thermal stability, flexible electrical scheme, convenient combination, strong seriality and practicability, novel structure and so on.

This product complies with IEC61439 and GB / T 7251 low voltage switchgear and control equipment and other relevant standards.

MV/LV SWITCHGEAR SERIES

KYN28-12



KYN28 armored removable AC metal enclosed switchgear (hereinafter referred to as the equipment) is applicable to 3.6 ~ 12kV three-phase AC 50 / 60Hz single bus and single bus segmented power system, and can meet the requirements of 3500 meters above sea level. It is mainly used for power transmission of power plants, small and medium-sized generators, single position distribution of industrial, mining, enterprises and institutions, and power receiving of secondary substation of power system For the starting of distribution power and large high-voltage motor, control, protect and detect the circuit.

This product meets the requirements of IEC 60298, IEC 62271-200, IEC 62271-1, GB3906, GB / T 11022, DL / T 404 and other relevant standards. The equipment has strong applicability and can be configured with circuit breakers such as VS1-12, VD4-12, VEP-12, HVX12, VBG-12, 3AE-EP, YVG-12 and EVB-12 and grounding switches such as JN15-12 and EK6 to meet the needs of different users.

MV/LV SWITCHGEAR SERIES

KYN61-40.5



KYN61 armored removable AC metal enclosed switchgear is applicable to 40.5kV three-phase AC 50 / 60Hz single bus and single bus segmented power system. It is mainly used in power plants, substations, industrial and mining enterprises, high-rise buildings and other power transformation and distribution occasions. It is used to receive and distribute electric energy, and control, protect and monitor the circuit.

This product complies with IEC 60298, IEC 62271-200, IEC 62271-1, GB3906, GB / T 11022, DL / T 404 and other relevant standards, and has perfect "five prevention" interlocking function. The equipment has strong applicability. Circuit breakers such as ZN85-40.5, SF1, SF2, HVX40, FP-40.5, VD4-40.5, HD 4-40.5, VYG-40.5 and VBG-40.5 and grounding switches such as JN22-40.5 and JN15-40.5 can be configured to meet the needs of different users.

10-35KV RING MAIN UNIT

HXGN-12/24 Ring Main Unit



XGN-12 / 24 indoor AC high-voltage sulfur hexafluoride ring network switchgear (hereinafter referred to as "Ring Main Unit") is a new generation of compact and expandable metal enclosed switchgear with sulfur hexafluoride load switch as the main switch and air insulation for the whole cabinet, which is suitable for power distribution automation.

The ring network cabinet has the characteristics of simple structure, flexible operation and reliable interlocking. It can provide satisfactory technical solutions for various applications and different user requirements. The adoption of sensing technology and the latest protective relay, coupled with advanced technical performance and lightweight and flexible assembly scheme, can fully meet the changing requirements of the market.

DC POWER PANEL

DC-PANEL



DC power supply cabinet is a new generation replacement product developed according to the requirements of unattended substation for DC power supply cabinet. It is suitable for DC power supply required by high-voltage switch opening and closing, relay protection, automatic control and accident lighting in large, medium and small power plants and substations under normal operation and accident conditions.

DISTRIBUTION BOARD



Electrical Cabinets and Enclosures

Distribution board is used for outdoor power or lighting distribution in three-phase AC 660V or less distribution system. Cabinet structure: single/double layer, single/double door. Various cabinets and accessories, rated AC frequency 50Z /60HZ, maximum working voltage to 660V, rated current 800A, mainly used in power generation enterprises, industrial and mining enterprises, housing construction and other fields, electrical performance fully comply with the relevant provisions of GB7251 and IEC60439.



Outdoor Electrical Cabinet and Enclosures

COMPACT SUBSTATION SERIES

BOX- TYPE SUBSTATION



>The intelligent Compact substation is an outdoor device integrating the primary and secondary of the distribution system, which centrally installs the medium voltage cabinet, transformer, low-voltage cabinet and other equipment in a sealed, moisture-proof and rust proof box.

>It is applicable to the power system with rated voltage of 7.2 ~ 40.5kV / 0.4 ~ 0.69kv and three-phase AC 50 / 60Hz. It is mainly used in outdoor electric fields such as high-rise buildings, residential quarters, parks, factories and mines, hotels, oil fields, airports, wharfs, railways and temporary facilities for receiving, converting and distributing energy, and controlling, protecting and monitoring the circuit.

>The covering material are: colored KC Series Compact Substation plate, cold rolled plate, stainless steel, glass-fabric special cement, aluminum alloy and copper aluminum zinc plate. The insulating medium of medium voltage switch device: SF6, atmosphere and Vacuum circuit breaker.

COMPACT SUBSTATION SERIES

PAD-MOUNTED TRANSFORMER



>Pad Mounted Transformer, it is the transformer, switchgear, fuse, tap switch, low voltage distribution device and other relevant auxiliary equipment combination transformer, can meet the user's energy measurement, reactive power compensation, low voltage branch and other configuration requirements.

>Rated AC frequency 50Hz/ 60Hz, maximum working voltage to 38.5KV

>The equipment is widely used in industrial parks, urban residential areas, commercial centers, high-rise buildings and other places.

>Standard:ANSI/IEEE C57



COMPACT SUBSTATION SERIES

PREFABRICATED COMPARTMENT SUBSTATION



- >The main function of prefabricated compartment substation is to convert the low-voltage AC generated by the power generation system in the field of new energy into medium voltage AC, and feed the electric energy into the national power grid.
- >It is applicable to the construction and transformation of 10 ~ 110kV small and medium-sized substations (distribution) in petroleum, chemical industry, drilling platforms, urban and rural areas, factories, mines and mobile operation substations.
- >Prefabricated compartment substation integrates low-voltage cabinet, transformer, ring main cabinet, auxiliary power supply and other equipment into a steel structure container to provide a highly integrated power transformation and distribution solution for medium voltage grid connection of ground power station

QUALIFICATION CERTIFICATION



OUR HONOR



Our Partner



OUR ADVANTAGE

Power distribution solutions that drive the global energy transition

With energy demand expanding in both developed and emerging countries, the challenge for HENGFENGYOU Group is to connect energy with people. The group's teams work as closely as possible with projects and decision makers and design and propose technical and process solutions based on global user needs.

· The team energy

The HENGFENGYOU team achieves synergy within the team to develop and produce specific solutions that meet all customer needs.

Our equipment is designed and researched by R&D services according to each country's electrical standards and helps manage your distribution network for optimal efficiency.

HENGFENGYOU's state-of-the-art production workshop and production equipment will produce high quality products according to your specifications.

HENGFENGYOU has a certified quality control laboratory where electrical products are tested out of factory to ensure the reliability and optimal life of our products.

· Grow business with Hengfengyou

Our goal is to become the world's leading manufacturer of electrical equipment. The business, experience and technology accumulated over the years have benefited customers in more than 50 countries around the world. Once our customers establish a cooperative relationship, they are long-term trusted customers, because Hengfengyou always insists on providing you with our best electrical products and services



Call Us For Details

+86 158 5325 2696 (JACK)

+86 158 5326 5269 (ALISA)



HENG FENG YOU

· Make Life Better ·

青岛恒丰友电气工程有限公司

QINGDAO HENGFENGYOU ELECTRICAL ENGINEERING CO., LTD

Hengfengyou Electric Group

Hengfengyou (Qingdao) Transformer Co., Ltd

Address: Fengju Road, Chengyang District, Qingdao City, Shandong Province, China

Hengfengyou (Qingdao) Transmission tower Co., Ltd

Address: Shuangyuan Road, Chengyang District, Qingdao City, Shandong Province, China

Hengfengyou (Qingdao) Cable Co., Ltd

Address: Jifa Longshan Road, Jimo District, Qingdao, Shandong Province, China

Hengfengyou (Qingdao) Panel Builder Co., Ltd

Address: Jifa Longshan Road, Jimo District, Qingdao, Shandong Province, China

Hengfengyou (Yancheng) special transformer Co., Ltd

Address: Longteng Road, Longgang Town, Yandu District, Yancheng City, Jiangsu Province, China

Hengfengyou (Liaocheng) transformer Co., Ltd

Address: Fenghuang Industrial Park, Liaocheng City, Shandong Province, China

QINGDAO HENGFENGYOU ELECTRICAL ENGINEERING CO., LTD

Tel: +86-532--8793 6206

Fax: +86-532-8793 6207

WhatsApp: +86 158 5325 2696 (Jack)

+86 158 5326 5269 (Alisa)

Website: www.hengfengyou.com

Email: hfy@hengfengyou.com

Address: 506 Huicheng Road, Chengyang District, Qingdao City, China