



HENGFENGYOU ELECTRIC GROUP version 2022-10EN

PRODUCT BROCHURE

HENGFENGYOU ELECTRIC

Smart Electric Global Service provider
Make life better!



ABOUT HENGFENGYOU ELECTRIC

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 departments: 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

Distribution Transformer 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.



HENGFENGYOU ELECTRIC

· Business area

HENGFENGYOU ELECTRIC GROUP designs, manufactures and sells global solutions and equipment for public utilities and private medium and low voltage distribution networks.

Hengfengyou Electric Group's business area is global power distribution equipment demand, fully meet the different power distribution equipment demand of more than 50 countries around the world.

· 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 ELECTRIC GROUP always insists on providing you with our best electrical products and services.

Qingdao Hengfengyou Electrical Engineering Co., Ltd

Smart Electric Global Service provider, Make life better!

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· The team energy

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

· Innovative development

For more than 30 years, HENGFENGYOU ELECTRIC GROUP has been designing innovative power distribution solutions to improve network security, optimize facility efficiency and become more environmentally friendly.

Every year, HENGFENGYOU ELECTRIC GROUP spends 6% of its revenue on research and development and innovation of energy saving development of distribution transformers; Intellectualization of distribution boards and substations; Research, development and improvement of transmission tower and cable materials. The R&D division has more than 30 engineers and technicians dedicated to designing and deploying new electrical solutions. Continuously meet the global demand for energy saving and intelligent electrical.

Qingdao International academician port Qingdao MINGSI is introduced as the strategic partner of Technology Co., Ltd. to provide smart power consumption solutions for global users. Through the intelligent monitoring of the Internet of things system, it can realize the remote monitoring, early warning, control and management of enterprise power transmission and distribution equipment and power consumption equipment, and finally achieve the goal of reducing fire accidents, reducing operating costs, and improving enterprise management efficiency.

HENGFENGYOU ELECTRIC



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TRANSFORMER SERIES

DOE 2016 DRY TYPE TRANSFORMER



DOE 2016 dry-type transformer is mainly used in Distribution network, power supply and distribution system of industrial and mining enterprises and civil buildings. Low loss, energy saving and environmental protection. Product actual measurement is better than IEC standards, while meeting the 2016 U.S. Department of Energy (DOE) energy efficient requirements. CB CCC UL CSA certification. More than 50 countries and regions around the world run verification of high reliability. Executive standard: ANSI C57, DOE 2016, CSA, IEEE.



TRANSFORMER SERIES

POLE MOUNTED SINGLE-PHASE TRANSFORMER



Low loss, energy saving, The maximum voltage is 36kV and the maximum capacity is 167KVA

Actual measurement is better than ANSI and IEC standards, ANSI KEMA certification.

High efficiency and energy saving roll iron core structure design, use the pole hanging installation.

It is mainly used in suburban distribution network, agricultural production and civil building power supply and distribution system

The products have been successfully sold to the Philippines, Australia, the United States, Japan, South America and other countries and regions

Executive standards: IEEE C57, ANSI C57, IEC76, GB10318



TRANSFORMER 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



single phase Pad Mounted Transformer

TRANSFORMER SERIES

OIL IMMERSED DISTRIBUTION 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

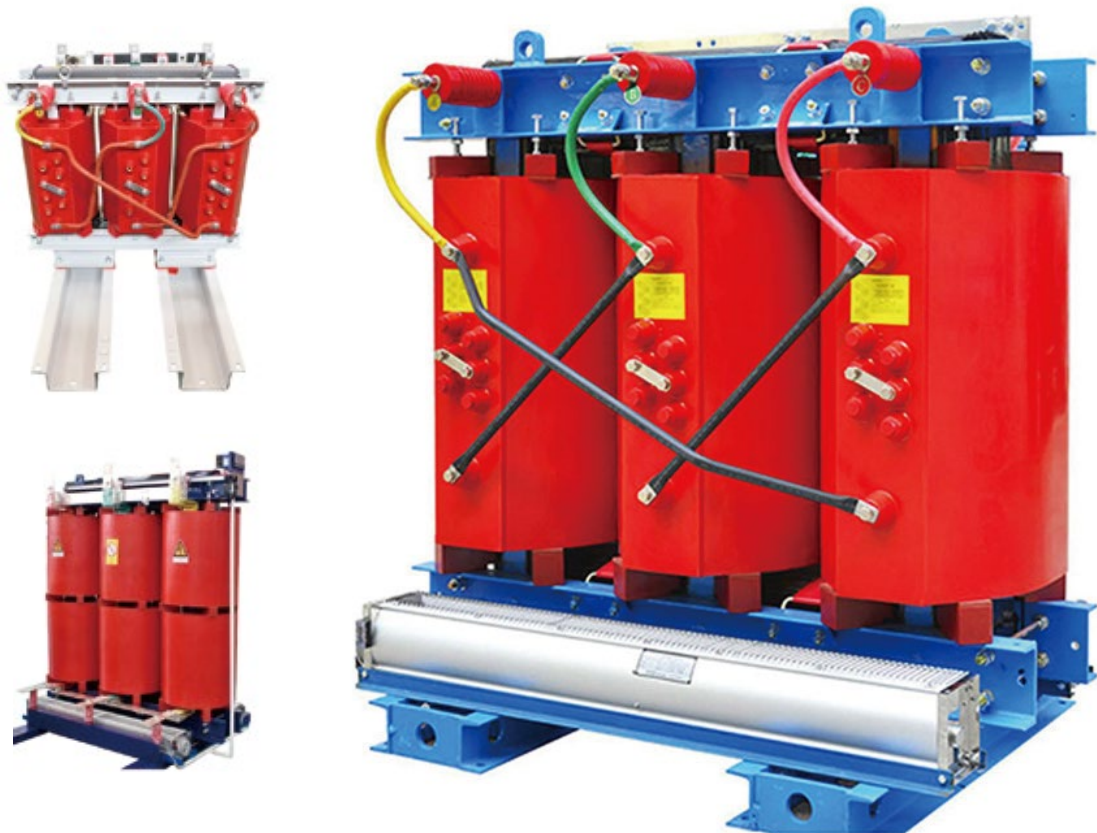


H61 Distribution Transformer

TRANSFORMER SERIES

EPOXY RESIN CASTING DISTRIBUTION 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

MINING TRANSFORMER



KBSGZY Dry Type Mining Explosion Isolation Moveable Transformer Substation



KSG Mining Dry-type Transformer



Mining Oil-immersed Transformer

Mining Dry-type Transformer:

>Mining Dry type Transformer is mainly composed of three parts: mine flameproof 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.

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.

TRANSFORMER SERIES

RECTIFIER TRANSFORMER



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

TRANSFORMER SERIES

FURNACE TRANSFORMER



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.

TRANSFORMER SERIES

66-330KV POWER TRANSFORMER



The company has voltage levels of 66kv, 110kv, 132kv, 220kv, and 232kv, a capacity of 6300KVA-240MVA, and an annual production capacity of 100000 MVA power transformers. Our products have been exported to more than 30 countries and regions in Southeast Asia, Africa, South America, Central Asia, and other regions. In recent years, we have won multiple bids for national power grids such as Uzbekistan, Kazakhstan, Mongolia, Iraq, Namibia, and Mozambique. Widely used in industries such as power grid transmission, thermal power, hydropower, photovoltaic power generation, wind power generation, steel mills, petrochemical industry, rail transit, etc., it enjoys a good reputation among users both domestically and internationally.

The company fully implements the integrated management system of ISO9001 quality management, ISO14000 environmental management, and OHSAS18001 occupational health and safety management, and has passed the AAA level measurement management system, AAA level standardized good behavior confirmation, PCCC electric energy product certification, and energy-saving product certification. 232kv and below power transformers

POWER DISTRIBUTION EQUIPMENT

GCK /MNS/GCS/GGD SWITCHGEAR



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.

POWER DISTRIBUTION EQUIPMENT

DC 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.

POWER DISTRIBUTION EQUIPMENT

POWER DISTRIBUTION BOX



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

POWER DISTRIBUTION EQUIPMENT

KYN28/61 SWITCHGEAR

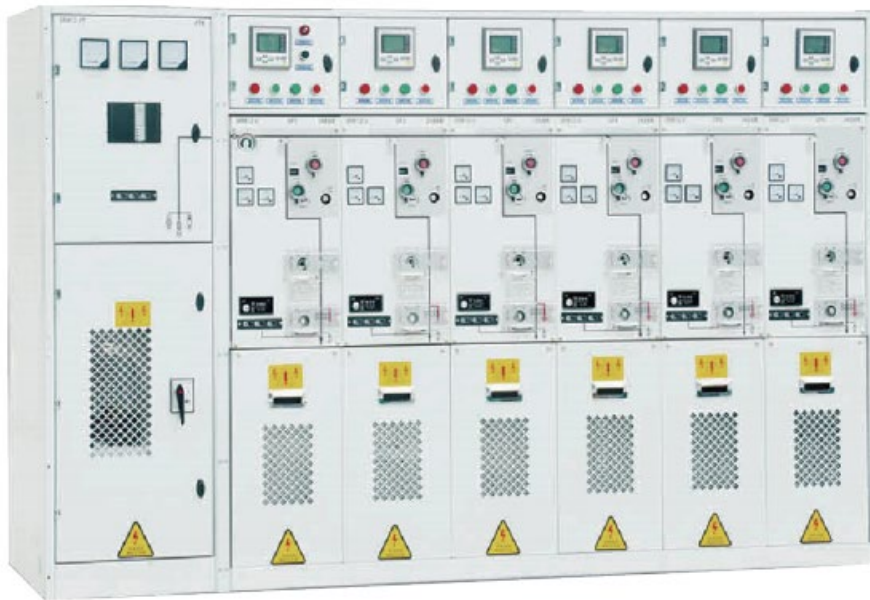


KYN28/61 armored removable AC metal enclosed switchgear (hereinafter referred to as the equipment) is applicable to 3.6 ~ 12kV three-phase AC 50 / 60Hz single bus and single bus segmented power system, and can meet the requirements of 3500 meters above sea level. It is mainly used for power transmission 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, VYG-12 and EVB-12 and grounding switches such as JN15-12 and EK6 to meet the needs of different users.

POWER DISTRIBUTION EQUIPMENT

RING MAIN UNIT



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.

POWER DISTRIBUTION EQUIPMENT

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.



wind transformer

>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.



photovoltaic transformer

POWER CABLE

LOW VOLTAGE CABLE



YJV22 Low Voltage Power Cable



YJV Low Voltage Power Cable



WDZ-YJY Low Voltage Power Cable



WDZ-YJY23 Low Voltage Power Cable



WDZ-YJ(F)E23 Low Voltage Power Cable



WDZ-YJ(F)E Low Voltage Power Cable



WDZN-YJY Low Voltage Power Cable



WDZN-YJY23 Low Voltage Power Cable



VV22 Low Voltage Power Cable



VV Low Voltage Power Cable

Scope of application

This product is applicable to AC 50Hz transmission and distribution lines with rated voltage of 0.6/1kV.

Executive standard

Gb/t 12706-2008 extruded insulated power cables and accessories with rated voltages from 1kV to 35kV

Flame retardant and fire-resistant cables shall also meet gb/t19666-2005 general rules for flame retardant and fire-resistant wires and cables

POWER CABLE

MEDIUM VOLTAGE CABLE



The 6-35kV extruded insulated power cables produced by hengfengyou group are commonly used in urban underground power grids, outgoing lines of power stations, internal power supply of industrial and mining enterprises, and underwater transmission lines across rivers and seas. The laying method can be buried, in the air, bridge, etc.

Product executive standard

1. Gb/t 12706.2-2008 extruded insulated power cables and accessories with rated voltage from 1KV (um=1.2kv) to 35kV (um=40.5kv) - Part 2: cables with rated voltage from 6kV (um=7.2kv) to 30KV (um=36kv)
2. Gb/t 12706.3-2008 extruded insulated power cables and accessories with rated voltage from 1KV (um=1.2kv) to 35kV (um=40.5kv) - Part 3: cables with rated voltage of 35kV (um=40.5kv)
3. Gb/t 19666-2005 general rules for flame retardant and fire resistant cables (only applicable to flame retardant and fire resistant cables)

TRANSMISSION TOWER

TRANSMISSION LINE TOWER



Lattice Steel Tower



Steel Tubular Tower



Steel Pole Tower



Substation architecture

HENGFENGYOU Transmission tower company is subordinate to HENGFENGYOU GROUP. Main products: power structure, power angle steel tower, power steel pole, lightning tower, communication tower, street lamp pole, etc gantry, etc. it is an export-oriented enterprise focusing on steel tower design and production.

According to their shape, power towers can be generally divided into five types: wine cup type, cat head type, upper font type, dry font type and barrel type. According to the purpose, they are divided into: tensile tower, straight tower, corner tower, transposition tower (replacement Wire phase position tower), terminal tower and span tower. Their structural characteristics are that all tower types are

space truss structures. The rods are mainly composed of single equilateral angle steel or combined angle steel. The materials generally use Q235 (A3F) and There are two types of Q345 (16Mn).

NEW ENERGY

PHOTOVOLTAIC POWER GENERATION



During the day, the solar panel generates photovoltaic current under the sunlight, which charges the battery under the control of the controller and provides power for the electrical equipment. If the sunlight resource is poor, the battery will discharge the stored electricity under the control of the controller to provide power for the electrical equipment. When the sunlight conditions meet the charging requirements, the controller controls the solar cell module to start a new round of charging.

The solar power supply system is mainly composed of solar panels, controllers, batteries and related loads. The product configurations will vary depending on the specific conditions of use

WIND POWER GENERATION

>The starting wind speed is low, the volume is small, the appearance is beautiful, and the running vibration is low.

>Use humanized flange installation design to facilitate installation and maintenance.

>The aluminum alloy fuselage and wind turbine blades are made of nylon fiber, with optimized aerodynamic shape design and structural design. The starting wind speed is low, and the wind energy utilization system is high, increasing the annual power generation.

>The permanent magnet rotor alternator is used for power generation, with a special rotor design, which effectively reduces the resistance torque of the generator, which is only 1/3 of that of the ordinary motor. At the same time, the wind turbine and the generator have better matching characteristics, and the unit operation reliability.

>High power tracking intelligent microprocessor control is adopted to effectively regulate current and voltage



NEW ENERGY SERIES

ENERGY STORAGE



Compared with the traditional fixed energy storage system, the mobile energy storage system, with its outstanding flexibility and convenience, is used in many fields such as power system transmission and distribution, and is suitable for power dynamic capacity increase, peak load cutting and valley filling, power grid transformation (load is not cut off), temporary power use and standby power supply lights. Standardized container size is adopted, ocean and road transportation are allowed, and hoisting can be carried out by overhead crane, with strong mobility and no geographical restrictions. In addition, the container energy storage system can be factory produced and directly assembled and debugged in the workshop, which greatly saves the construction and operation and maintenance costs of the project and realizes accident isolation.

CERTIFICATE

QUALIFICATION CERTIFICATION



OUR PARTNER

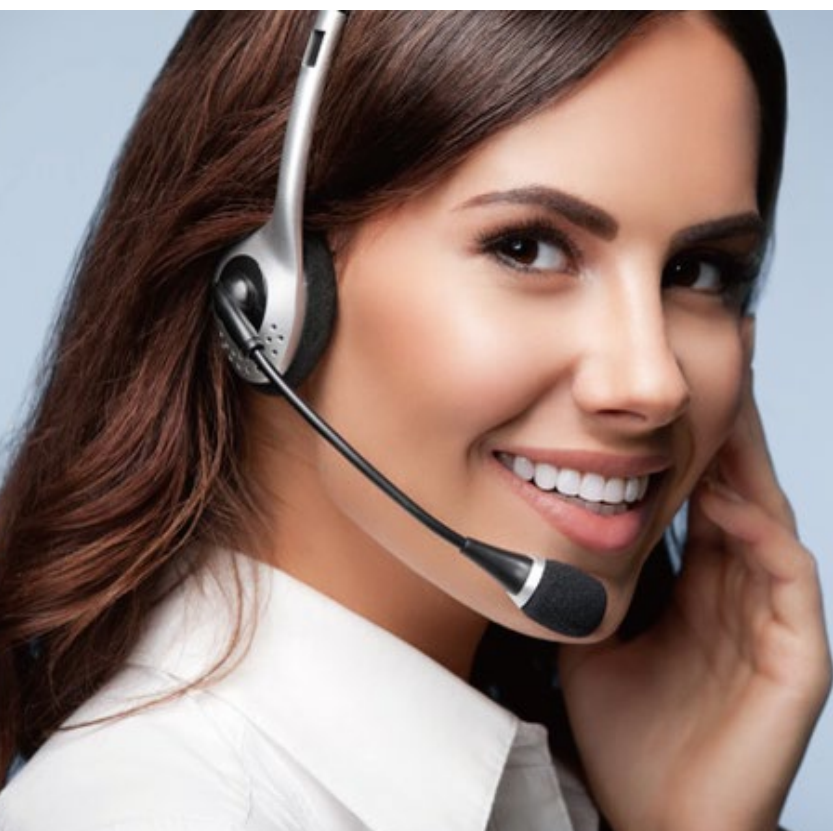


PRE-SALE SERVICE:

1. ISO certified excellent Manufacturer
2. Third-party authoritative certifications: CE, CB, SASO, CCC, KEMA etc
3. Flexible payment: T/T, LC, O/A
4. Sufficient inventory, fast delivery time and long validity of the price
5. The whole process of picture tracking can be realized in production and transportation
6. Experienced professional sales team and a strong technical team
7. Sincerely invite customers to visit the company for guidance

AFTER-SALES SERVICE:

1. If there is any quality problem after receiving the goods, you can return the goods free of charge or ship new products
2. We provide our customers with a 1-year product warranty
3. Provide 24-hour, 365-day technical guidance worldwide
4. The VIP customers enjoy our promotional activity
trained by management consultants, is able to provide professional solutions for customers.
5. Our customer service team ensures on time delivery.



Call Us For Details



HENG FENG YOU

· Make Life Better ·

青岛恒丰友电气工程有限公司

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