

PRODUCT FAMILY



WWW.CNCEEG.COM



CONTENTS



P03 COMPANY PROFILE

P07 PRODUCT INTRODUCTION

P23 PHOTO SHOW

01

+ COMPANY PROFILE

KEEPING DELIVERING PREMIUM POWER TO THE WORLD

Guided by the green concept of "Safety, Energy Conservation and Environmental Protection", China Electric Equipment (Jiangsu) Transformer Manufacture Co., Ltd. is committed to the R & D and production of transmission and distribution equipment. With a registered capital of 160 million Yuan and a total area of 600 mu, the company has an annual production capacity of 40000MVA transformer. The company has ISO9001 quality management system certification, ISO14001 environmental management system certification and ISO45001 occupational health and safety management system certification.

CEEGB's main products are 220kV and 110kV railway traction transformers, Scott railway traction transformers, 2x27.5kV railway autotransformers, oil-immersed transformers up to 220kV, cast resin dry type transformer up to 35kV, VPI transformer, urban rail traction rectifier transformers, amorphous alloy dry-type transformers, mine explosion-proof transformers and substation, frequency conversion transformers, anti-harmonic transformers, marine transformers, urban rail transit smart container substation, substations, wind and photovoltaic box-type substation, etc., which covering railways, power, electronics, urban rail transit, hydropower, nuclear power, wind power, coal mines, communications, construction, petroleum, chemical, aerospace and other industries.

02



PRODUCT INTRODUCTION

220 (110) kV Railway Traction Transformer

Safe Reliable Extraordinary



Product Introduction

1. Adopt the Nomex insulation system of DuPont company and register the trademark: HIGH LOADED
2. Seven-stage temperature control technology
3. High overload capacity: meet the typical overload curve, with long-term overload capacity of 30%;
4. No partial discharge: less than 40pc
5. Short-circuit resistant: meet the operating characteristics of electrified railroads with frequent near-end short-circuits.

Scope of Application

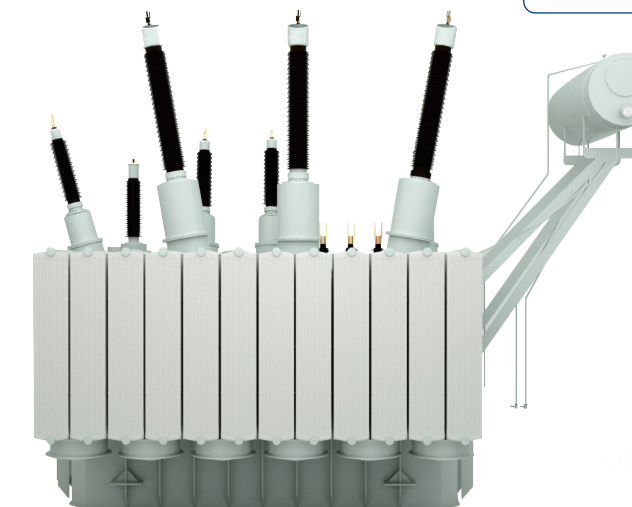
It is applicable to the passenger line of electrified high-speed railroad and heavy-duty freight line.

Reference

Dozens of domestic electrified railroad lines such as Beijing-Shi-Wu high-speed railway, Jin-Qin line, Lan-Xin line, Dunge line, Da-Qin line, Guang-Zhu line, Yu-Fu line, etc.

220kV, 110kV (66kV) Power Transformer

Precision Crafted, Perfect Quality



Product Introduction

1. Adopt constant temperature, humidity, dust-free fully enclosed manufacturing process, lean control of product quality.
2. Adopt the original "seven-stage temperature control technology" system, combined with the temperature field finite element analysis, to give full play to the performance advantages of various insulation materials.
3. For the principle of noise generation, unique noise reduction measures are adopted in different parts to ensure that the noise is better than national standards.
4. The sealing structure parts are all made by one-time molding technology, and through fluorescent, positive pressure and negative pressure leak test methods, to ensure that the product is leak-free
5. The core adopts the integrated automatic shearing and stacking robot production line imported from Switzerland leading to low no-load loss.
6. Pass the sudden short-circuit test of the national transformer testing center at one time, the product is safe and reliable.

Scope of Application

Favorable to meet the power peak demand of summer, suitable for distribution networks with high load rate under high temperature and places with shock load and continuous overload requirements. Such as: steel, metallurgical industry, railroad transportation, power plant, hydropower station, etc.

Reference

Beijing China Coal Electric Co., Ltd., Beijing Lufeng times Technology Development Co., Ltd., Shenhua United Construction Co., Ltd., Chongqing Yuzhan Electric Co., Ltd., WISDRI Engineering & Research Incorporation Limited. (China new iron and Steel Making Co., Ltd.), WISDRI Engineering & Research Incorporation Limited. (ESP power transformer and load switch of Hebei Taihang iron and Steel Co., Ltd.) etc.

SCRBH15 Amorphous Alloy Dry Type Transformer

Three Phase Three Column, Energy Saving Pioneer



Product Introduction

1. Using high-quality amorphous alloy strip, the no-load loss is reduced by about 70%
2. The self-developed three-phase three column structure covers a small area.
3. Vibration model simulation analysis is used to reduce noise effectively;
4. Unique core suspension technology and end seal process to ensure low force on the core and low noise.
5. Adopt unique semi-envelope structure type, strong dustproof ability, high product insulation performance
6. High mechanical strength, waterproof and short circuit resistant.

Scope of Application

It is suitable for places with low power distribution utilization and high requirements for flammable, explosive and fire prevention, such as cloud computing data centers, rural power grids, high-rise buildings, commercial centers, subways, airports, power plants, etc.

Reference

China Telecom, China Mobile, China Unicom, a unit of the Chinese People's Liberation Army, Daqing Zhonglan Petrochemical Company Limited, Beijing General Research Institute of Mining and Metallurgy, etc.

Open Ventilated Dry Type Transformer

Safe, Reliable, Environmentally Friendly and Energy Efficient



Product Introduction

1. The product is class H and the insulation material is class C. It has strong overload capacity, strong short-circuit resistance and high safety performance.
2. High quality high permeability silicon steel with multi-stage stepping process leads to low no-load loss.
3. Copper and silicon steel can be recycled, and the insulation material is completely degraded, which is an environmentally friendly product.
4. Adopting DuPont ReliatraN core technology, the volume is reduced by 10% and the material is saved by 10%.
5. It's intelligent "brain" can use full intelligent data collection and analysis to achieve active operation and maintenance.

Reference

National Olympic Sports Center comprehensive training hall, Beijing Aerospace Times Laser Navigation Technology Co., Ltd., Chinese people's armed police force, China University of petroleum, Beijing Tiantan Hospital, etc.

ZPSG Variable Frequency Transformer

Motor Protection, Energy Saving and Efficiency Increasing

Product Introduction

1. The core adopts the through core positioning structure of multi-stage stepping process, and the core has no transverse and longitudinal displacement under various working conditions.
2. The winding adopts a variety of structural types with strong short-circuit resistance.
3. A special air-cooled guiding system is adopted, leading to high heat dissipation efficiency, safety and reliability.
4. The magnetic flux leakage distribution is reasonable and fully meets the working condition requirements of the frequency converter.



5. Multiple technologies are adopted to effectively suppress the harmonic content, realize perfect harmonic free and prolong the service life of the motor.
6. Various structural types can meet the requirements of various frequency conversion systems.
7. The maximum capacity of the product can reach 9000kVA, which can realize 72 pulse rectification.

Scope of Application

It is suitable for matching with high-voltage frequency converter, mainly in municipal water supply, electric power, metallurgy, petroleum, petrochemical, cement, coal and other industries.

Reference

Siemens (Shanghai) Electric Drive Equipment Co., Ltd., Beijing ABB Electric Drive System Co., Ltd., Beijing Dynamic Power Group, Beijing Hiconics Drive Technology Co., Ltd., Jiangsu LiPu Electronic Technology Co., Ltd., Wuxi Fuji Motor Co., Ltd., etc.

Marine, Offshore Platform Transformer

Super Insulation, Three Proofs, Earthquake Resistance



Product Introduction

1. High quality high permeability silicon steel with multi-stage stepping process leads to low no-load loss.
2. First company in China to use Nomex Paper insulation system to manufacture marine transformer and offshore platform transformer.
3. The active part adopts two process systems: VPI vacuum impregnation process and epoxy vacuum casting process, both of which are acceptable.
4. All fasteners and bare conductors are treated by special process to meet the three prevention requirements.
5. The enclosure is equipped with waterproof groove, and the protection level can reach IP44, which is safe and reliable.
6. The air-water cooling structure of air cooling and water cooling can be adopted, and the product has strong overload capacity.

Scope of Application

Ships (bulk carriers, oil tankers, container ships, chemical ships, LNG ships, Ro Ro ship, Ro Ro passenger ship, etc.), wharf, offshore platform and ship supporting products.

Reference

CSSC 712 Research Institute, Shanghai Zhenhua Heavy Industries Co., Ltd, Nantong COSCO KHI Ship Engineering Co. Ltd, China National Offshore Oil Corporation (Shenzhen) branch, etc.

Cast Resin Transformer

Precision Crafted Perfect Quality

1. High quality high permeability silicon steel with multi-stage stepping process leads to low no-load loss.
2. The surface adopting nano paint self leveling process leads to low noise.
3. It has strong waterproof and short-circuit resistance, strong overload capacity, good electrical performance, safety and reliability.
4. Through the simulation analysis of electric field, temperature field and magnetic field, CEEG is the first company in China to pass KEMA's E2, C2 and F1 tests.
5. The product can adopt dual-mode structure scheme to meet the needs of different customer groups.
6. Special intelligent transformer solution and big data cloud diagnosis technology are adopted to be online from time to time.



Product Category

10kV Series

1. Low loss, low partial discharge and low noise;
2. The product performance parameters of SCB11, SCB12 and SCB13 series are better than GB and IEC standards;
3. It is safe, flame-retardant, fireproof and pollution-free, and can be directly installed in the load center;
4. Maintenance free, convenient installation and low comprehensive operation cost;
5. Low temperature rise and high product reliability;
6. Stable structure and strong seismic capacity;
7. Moisture proof, corrosion-resistant, wide application range;

35kV Series

1. Through the dynamic thermal stability simulation analysis, the winding structure is reasonably arranged and has strong short-circuit resistance;
2. Low loss, low noise and low partial discharge;
3. It can also operate under overload for a long time without air cooling, with strong overload capacity;
4. Winding capacitance distribution is reasonable and impact resistance is strong;
5. The product has the characteristics of flame retardant and self extinguishing, non-toxic and harmful gas generation, green and environmental protection.

Traction Rectifier Transformer

1. Low temperature rise, strong overload capacity and reliable operation under class VI load conditions
2. The key technical parameters are well balanced, the load is evenly distributed, and the amount of non characteristic harmonics is effectively reduced.
3. The coil adopts axial double split structure, which can eliminate the balance reactor and smooth the output DC waveform.
4. High mechanical strength, good moisture resistance, partial discharge $\leq 10\text{pc}$.
5. Low noise and electromagnetic radiation pollution.

Reference

Olympic Center Gymnasium, Qingdao International Sailing Center, Beijing Urban sub center, Beijing Chang'an Street lighting project, Beijing Winter Olympics, China Iron and Steel Research Institute, Wuxi Metro, Nanjing Metro, Shanghai Disney Land, Shanghai Expo Exhibition Center, etc.

KBSG2-T Mining Explosion-proof Transformer KBSGZY2-T Mining Explosion-proof Mobile Substation

National Patent, Safety, High Compression Strength



Product Introduction

1. The unique full corrugated structure effectively improves the heat dissipation area, and has a national patent;
2. The cylindrical flameproof shell improves the strength of the shell, can withstand 1MPa pressure and has strong explosion-proof performance;
3. DuPont Nomex Paper insulation system is adopted, which is more safe and reliable;
4. Adopting advanced design and processing technology, complete production and testing technology leading to more stable performance;
5. Low loss, low partial discharge, low noise and strong overload capacity;
6. Maintenance free, safe, flame-retardant, explosion-proof and fire-proof, pollution-free, and can be installed directly.

Scope of Application

It is widely used in power supply of underground devices in coal mines.

Reference

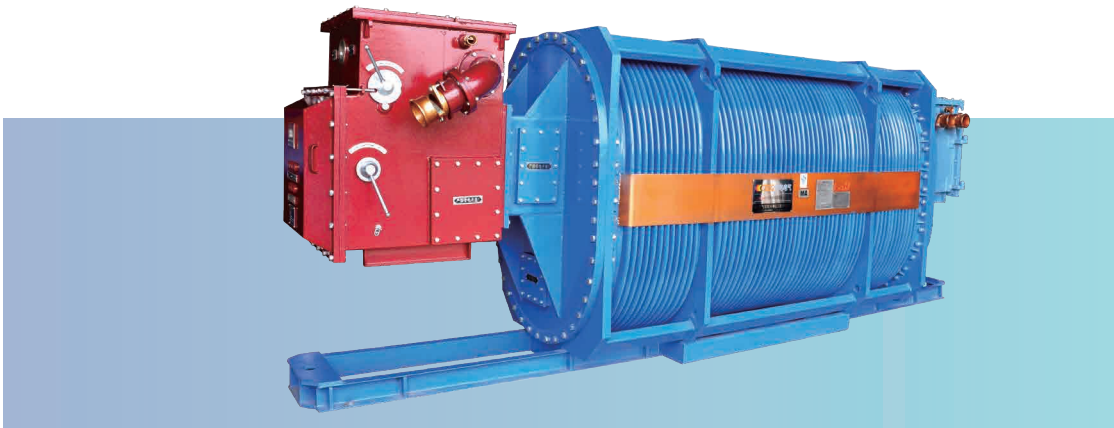
China Shenhua Group (including its subsidiaries), Datong Coal Mine Group Tongzhong Electric Co., Ltd., Shanxi Sanyuan Coal Industry group, Xinwen Mining Group, Shanxi China Resources Liansheng Energy Investment Co., Ltd., Inner Mongolia Beilian Power Energy Development Co., Ltd., etc.

KBSGZY2-T Mining Explosion-proof Converter Mobile Substation

Safe, Reliable and Environmentally Friendly

Product Introduction

1. The iron core adopts high-quality high magnetic conductivity silicon steel, full oblique joint and multi-stage stepping process, with low no-load loss;
2. The iron core adopts three-dimensional fastening structure. Under various working conditions, the iron core has no transverse and longitudinal displacement.
3. High and low voltage windings adopt a combined winding process, combined with VPI vacuum pressure impregnation and high-temperature curing, with high mechanical strength.
4. The shell adopts an oval structure, with low product height and short length, which is suitable for the space requirements of various mines.
5. The shell adopts the corrugated cylindrical structure of patented technology, with no ponding and dust on the top, good heat dissipation effect and strong explosion-proof performance.
6. It adopts the eight-point fastening method, which is firm and reliable and can go down the well vertically.
7. Nomex Paper insulation system is adopted, with heat resistance grade up to grade C, recyclable, safe and environmental protection.
8. The integrated design scheme supplies power to the Flameproof Frequency Converter and communicates with the frequency converter to complete the functions of equipment operation status monitoring, fault breaking and centralized control.



Scope of Application

The product supplies power to the Flameproof Frequency Converter and communicates with the frequency converter to complete the functions of equipment operation status monitoring, fault breaking and centralized control. It is widely used in coal mines to supply power to 1140V and 3300v Flameproof Frequency conversion speed regulating devices with three-level technology.

Reference

China Coal Science and industry Tiandi (Jiyuan) electrical transmission Co., Ltd. (central enterprise), Qingdao Tianxin frequency conversion Co., Ltd., Liaoning Rongxin Electric Co., Ltd., Shenhua Ningxia Coal Industry Group Co., Ltd., Jincheng Lanyan Coal Industry Co., Ltd., Shenhua Xinjiang Energy Co., Ltd., etc.

ZGS series Prefabricated Substation

Modular Manufacturing



Product Introduction

1. The product has the advantages of compact structure, small volume, short construction cycle and easy installation and movement.
2. The shell adopts fully sealed design, with good protection effect.
3. The substation adopts unique guiding ventilation technology, with good heat dissipation effect and strong overload capacity.
4. Various power supply schemes of terminal or ring network can be adopted, with long service life and maintenance free.
5. Dry type, oil type, amorphous alloy and other types of transformers can be configured according to user requirements, and the schemes are flexible and diverse.
6. CT, PT, protection and communication devices can be installed at the high-voltage side, and multi-functional intelligent instruments for acquisition and protection can be installed at the low-voltage side, so as to realize the "three remotes" of high-voltage and low-voltage switches and transformers.
7. LED display screen can be installed on the surface of the shell to scroll all kinds of information, which is beautiful, environmentally friendly and economical.
8. It can realize fully intelligent data acquisition and analysis, realize active operation and maintenance, and provide energy management for various scenarios.

Scope of Application

It is widely used in various power transformation and distribution places such as industrial parks, residential quarters, commercial centers and high-rise buildings.

Reference

Beijing Gongke Feida Transportation Engineering Development Co., Ltd., Inner Mongolia Xilin Gol Baiyinhua Coal Power Co., Ltd., Jiangsu Huaxi Group Co., Ltd., Zibo Mining Group material supply Co., Ltd., Anqing Hengjiang industry (Group) Co., Ltd., Gezhouba Group Power Co., Ltd., Qinghai Upper Yellow River Hydropower Development Co., Ltd., etc.

YB series Prefabricated Substation

Modular Manufacturing



Product Introduction

1. YB series prefabricated substation is a complete set of indoor and outdoor power transformation and distribution equipment composed of high-voltage switchgear, power transformer and low-voltage switchgear.
2. The product is a frame structure, which is welded with section steel or assembled from steel plate. The frame is covered with special paint layer, which has strong mechanical properties, weather resistance and corrosion resistance.
3. The top of the prefabricated substation is provided with a thermal insulation layer to prevent condensation caused by rapid temperature change. A thermal insulation layer can be added around the box.
4. YB series prefabricated substation is to install the secondary system (including telecontrol) of the substation into one or several movable, fully enclosed, moisture-proof and anti-corrosion boxes after installation and commissioning in the factory. After one-time installation in the factory, the box is transported to the site. Only the corresponding foundation and one-time connection are needed to transmit power.
5. It can realize fully intelligent data acquisition and analysis, realize active operation and maintenance, and provide energy management for various scenarios.
6. CT, PT, protection and communication devices can be installed at the high-voltage side, and multi-functional intelligent instruments for acquisition and protection can be installed at the low-voltage side, so as to realize the "three remotes" of high-voltage and low-voltage switches and transformers.

Scope of Application

In places without fire, explosion, chemical corrosion and violent vibration, the ground inclination shall not exceed 5°.

Reference

Beijing Olympic Doping Testing Center, Beijing Lvqi Kechuang Technology Co., Ltd., Qingdao International Sailing Center of the 29th Olympic Games of Qingdao East Olympic Development & Construction Group, 96201 Unit, 4822 plant of the Chinese people's Liberation Army, Wuhan Branch of China Petrochemical Corporation, State Grid Smart Grid Research Institute, Xinjiang Meihua Amino Acid Co., Ltd. and Sinopec (Hong Kong) Hainan Petroleum Co., Ltd., China Railway 14th Bureau Group Co., Ltd., etc.

YBF series Wind Power Substation

Professional Design, Safe and Reliable



Product Introduction

1. Good sealing performance, wind and sand proof, salt fog proof, rain and snow proof.
2. Advanced electric spraying technology, the shell is not easy to rust and fade.
3. The shell has strong adaptability to the environment, which can be selected according to different environments. It has the advantages of beautiful appearance and coordination between the shape and the wind scene.
4. Intelligent control, which can not only be controlled locally, but also be monitored remotely to realize the four remote functions.
5. Natural ventilation. The substation is equipped with sufficient natural ventilation and thermal insulation measures. When the ambient temperature is close to 40 °C, forced ventilation will be started to ensure the normal operation of step-up transformer.

Scope of Application

Wind power plant. YBF series wind power substation is a special equipment for grid connected output after raising the 0.6-0.69kv voltage sent by wind power generator to 10kV or 35kV.

Reference

Inner Mongolia Ximeng zheligentu wind farm phase I, Saihan project of Beijing International Power New Energy Co., Ltd., zheligentu project, Gansu Xinquan Wind Power Co., Ltd., Huaneng Tianzhen Wind Power Co., Ltd., Dafeng Wind Power Co., Ltd., National Electricity Yunnan New Energy Co., Ltd., Jiangxi SPIC New Energy Power Generation Co., Ltd, Datang Zhangzhou Wind Power Generation Co., Ltd., Huaneng Fuxin Wind Power Generation Co., Ltd., etc.

Oil-immersed Distribution Transformer

Low Noise, Low Partial Discharge, Low Temperature Rise
Short Circuit Resistance, Impact Resistance and Customized

Product Introduction

Oil-immersed distribution transformer is a new type of transformer with insulation structure based on the combination of traditional oil immersed transformer structure and modern oil immersed transformer structure at home and abroad.

Scope of Application

It is widely used in urban power grid, rural power grid, high-end power supply, steel, coal, chemical industry, cement, papermaking, metallurgy and other industries.



03



PHOTO SHOW



