

CEEG PRODUCT FAMILY

Delivering High-Quality Power to the World



China Electric Equipment Transformer Co., Ltd.

About CEEG

CEEG, founded in 1990, is a Chinese advanced electrical manufacturer. The company, guided by "vision, innovation, and responsibility," now owns three key industries, including power transmission and distribution equipment manufacturing, the new energy industry, and intelligent distribution systems.

As a modern enterprise, CEEG integrates research, design, manufacturing, and selling all together and is dedicated to providing the highest-quality product, the most excellent service, and the most various solutions to customers. During development, the company has established long-term strategic partnerships with global leading enterprises, such as DuPont, ABB, Siemens, etc.

On the belief of "safety, energy saving, and environmental protection," our products find extensive applications in coal mining, steelmaking, petrochemicals, metallurgy, and other industries and have gained multiple compliments from customers. Nowadays, the products have been exported to over 80 countries and regions, covering Asia, Africa, Europe, and South America.



Why CEEG

Strategy

For over 30 years, CEEG has remained steadfast in its commitment to delivering top-quality power to the world. Building upon a foundation of exceptional products and enduring partnerships, the company is now advancing its strategy through a supportive mode of "global manufacturing + comprehensive solutions and services."

Purpose

CEEG is passionate about keeping pace with the world throughout its development. Driven by technological advancements, enhanced competitiveness, energy transition, and environmental protection, CEEG aims for brand internationalization and service globalization.

Advanced Technology

CEEG' s enduring success over the past 30 years in energy industries can be attributed to its commitment to continuously enhance innovation and technological capabilities. Until today, we are still absorbing new concepts and technologies all over the world.

Safety

CEEG ensures the highest quality and safety throughout the entire lifecycle of each product, from design and manufacturing to operation. Our services integrate intelligent technologies and comprehensive solutions, resulting in a secure and stable operation system.

Sustainability

In response to the global trend toward decarbonization, CEEG is dedicated to advancing the energy transition and sustainability. Our efforts include developing energy-efficient products and the technology of new energy.



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Industrial Base

CEEG, a rapidly growing electrical equipment manufacturer, has strategically established three major industrial bases: the Yangzhong Factory, the Binjiang Transformer Factory, and the Jurong Factory. The Yangzhong Factory, with its 40 hectares and a construction area of 180,000 square meters, stands as one of the largest transformer factories globally. It is now employing over 1,000 skilled professionals. On a strong industrial basis, we hope that our belief in excellence and innovation continues to drive the transformer industry forward.

CEEG Yangzhong Factory



CEEG Binjiang Transformer Factory



CEEG Jurong Factory





Transformer Products Introduction

Product Overview

CEEG has one of the largest transformer industrial bases in the world. The main products include transformers, substations, switchgears, etc. As an electrical equipment manufacturer with over 30 years of manufacturing experience, each type of equipment has its own family of products.



CEEG transformer products include oil-immersed types, dry types, special types, S series, SRN series, SG series, etc.

CEEG substation products include ZGS series, YB series, wind power prefabricated substations, combined substations for photovoltaic power generation, grid-connected photovoltaic inverters, underground substations, containerized substations, energy storage step-up converters, etc. etc.



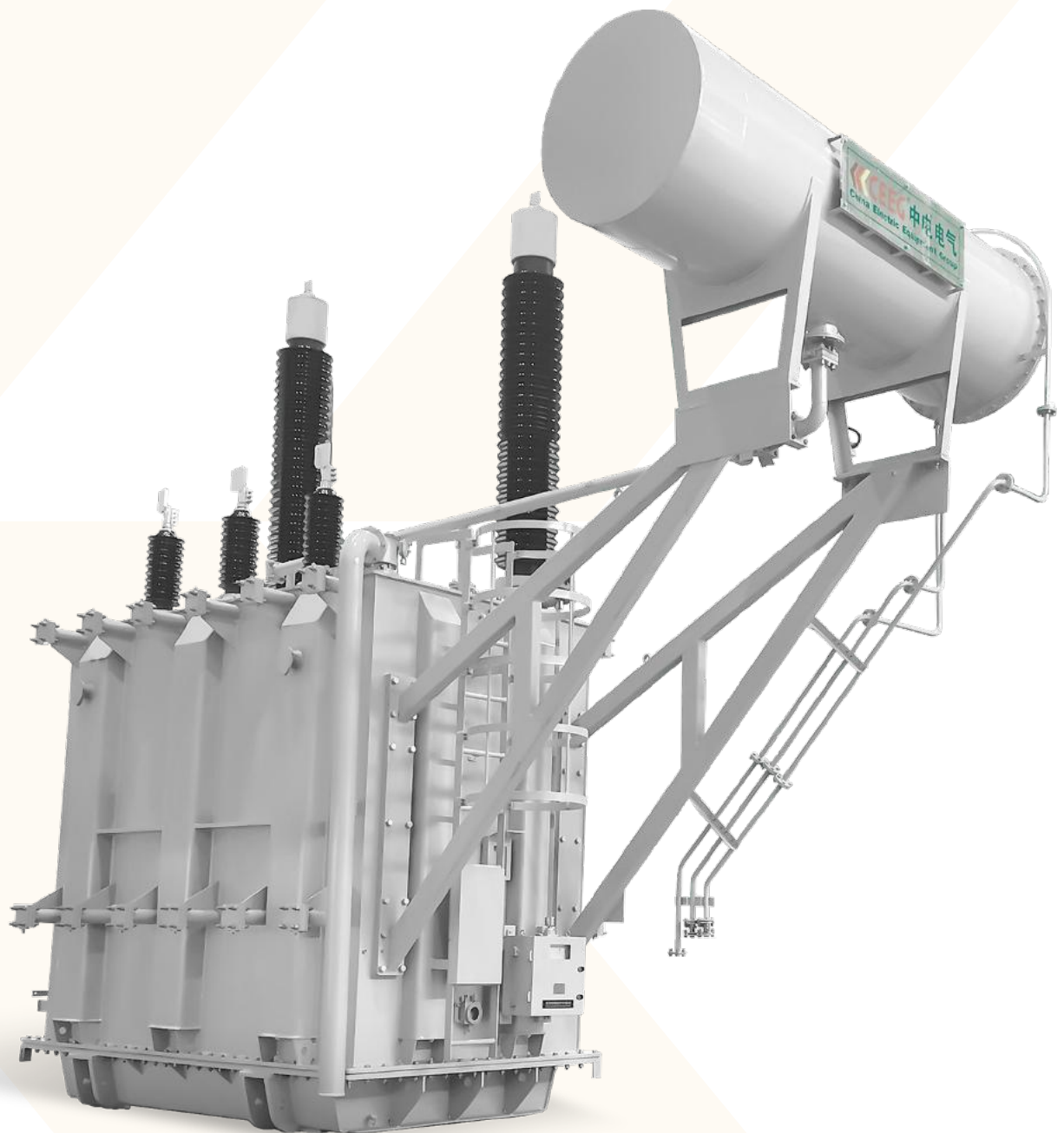
CEEG integrated boost converter products include the energy storage boost integrated converter (dry type), the energy storage boost integrated converter (oil-immersed type), etc.

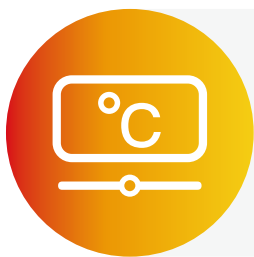
CEEG switchgear products include L.V switchgears, ring main unit switchgears, centrally installed switchgears, 35kV switchgears, etc.



Transformer Series

220 (110) kV Railway Traction Transformer





Advanced technology

Adopts the excellent technology of **DuPont Nomex® insulation system** and develops our core technology of "7-Step Temperature Control"

High overload capacity

Based on typical overload curves, an approximate **30%** overload in long-time use



Low partial discharge

The partial discharge is **less than 40pc**

Strong short-circuit withstand capability

It provides a perfect solution of the frequent near-to generator short-circuit in electrified railways



Applications

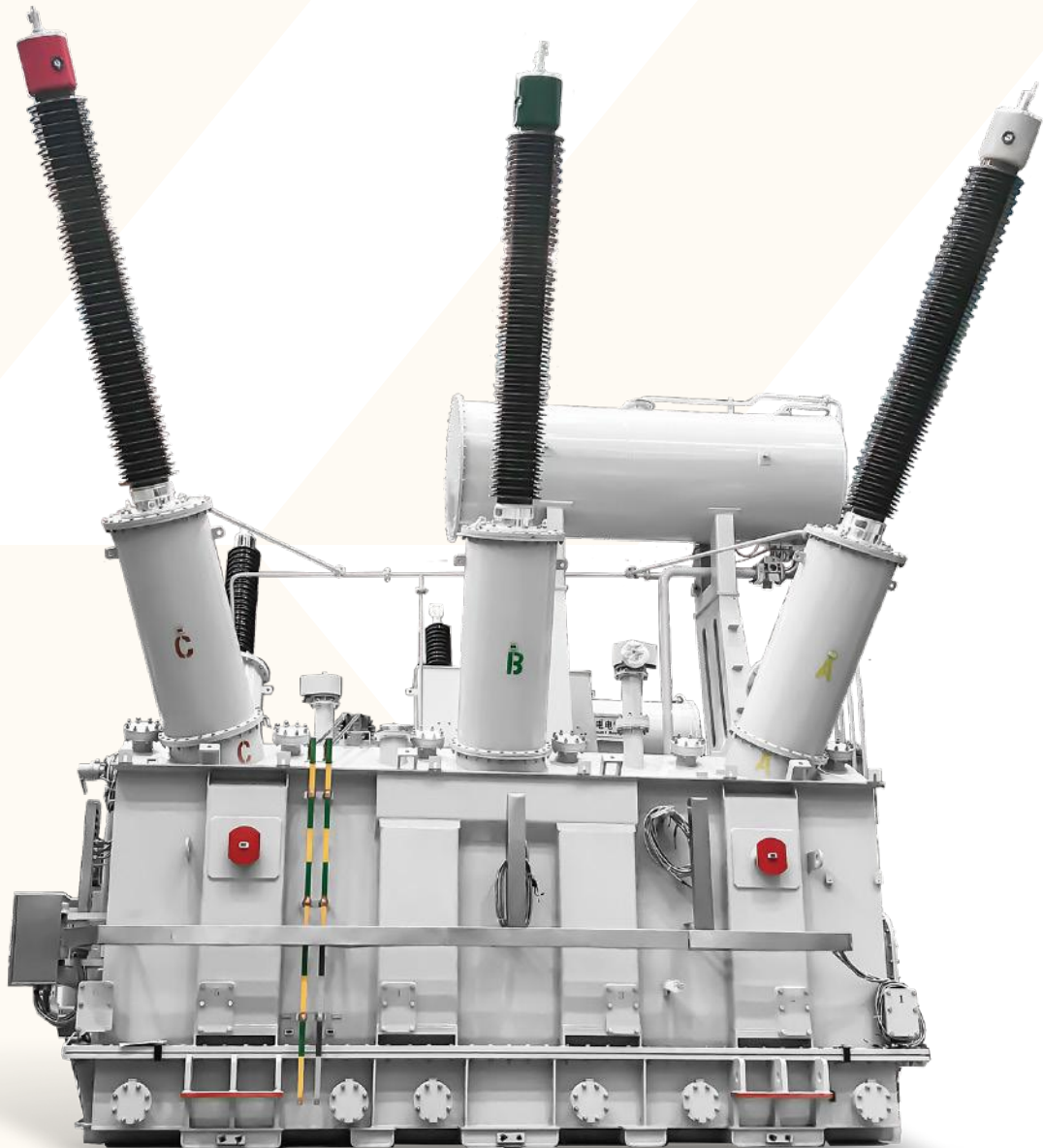
Suitable for passenger dedicated line and railway heavy-haul traffic lines of electrified high-speed railways

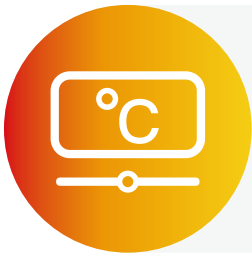
Achievements

Many national electrified railway projects such as Beijing-Shijiazhuang-Wuhan High-speed Railway, Tianjin-Qinhuangdao Railway, Lanzhou-Xinjiang Railway, Dunhuang-Golmud Railway, Datong-Qinhuangdao Railway, Guangzhou-Zhuhai Railway, Chongqing-Fuling Railway, etc. Enbi Global, Inc., Siba Group, A.E.Distribution sh.p.k, etc.

Transformer Series

220kV, 110kV (66kV) Power Transformer





Advanced technology

Develops our core technology of “**7-step temperature control**” , and manufactures products through a process with constant temperature and humidity and dust-free conditions to ensure product quality

Low noise

Adopts unique **noise-reduction methods** in different components



No leakage

It develops one-shot casting process for sealing components, and it passes multiple leakage tests to ensure **leakage-free**

Lower no-load loss

The iron core adopts stacked manufacturing technology to ensure low no-load loss



Applications

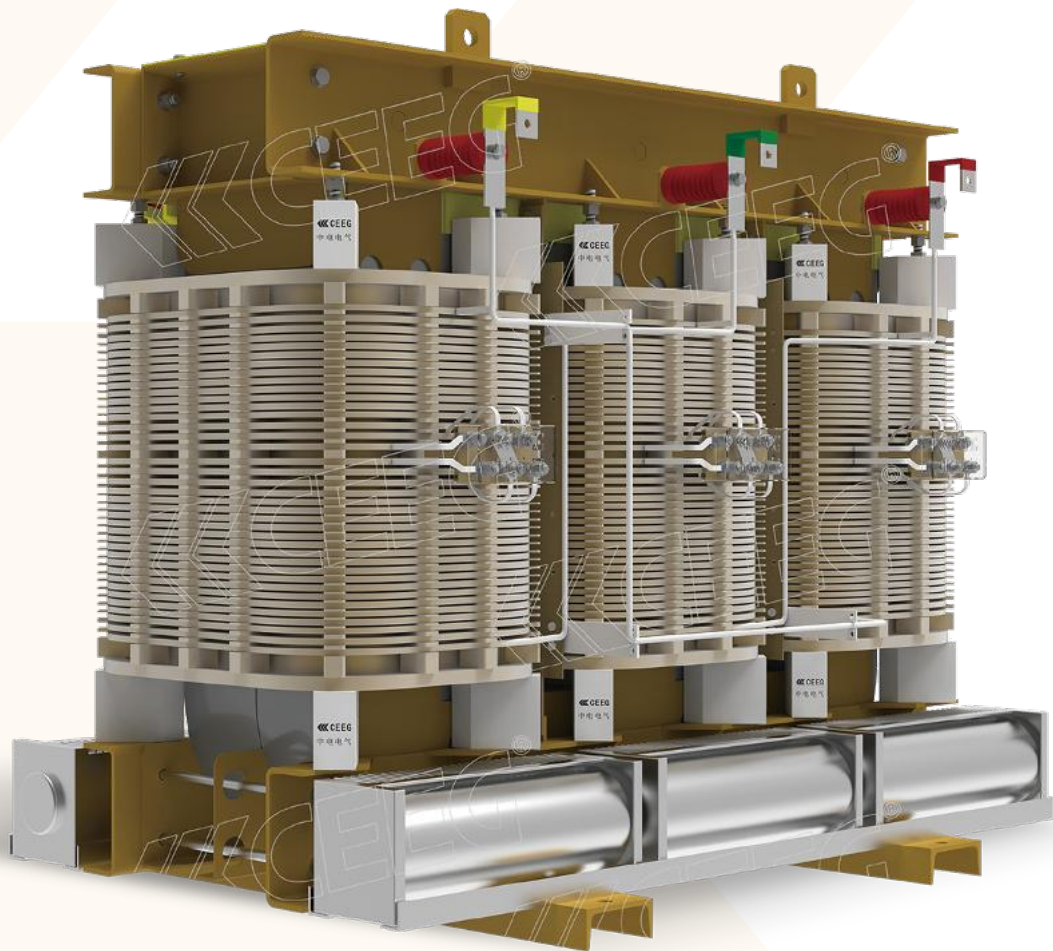
Suitable for passenger dedicated line and railway heavy-haul traffic lines of electrified high-speed railways

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Transformer Series

SGBH19 Amorphous Alloy Transformer (Dry Type)





Lower no-load loss

Adopts high-quality amorphous alloy ribbon, the no-load losses are **reduced by up to 60%**

Small footprint

A compact design, **easy installation**



Low noise

Develops a unique iron core mounting technology which can reduce noise

Maximum safety

It adopts the dupont **nomex® insulation system** to ensure high insulation heat resistance, excellent flame retardancy, and strong overload capacity



Smart operation

Equipped with **intelligent transformer terminals** for smart operation and maintenance

Applications

It is applicable for all places where common dry-type transformers are used.

Transformer Series

SCBH Amorphous Alloy Transformer (Dry Type)





Lower no-load loss

Adopts high-quality amorphous alloy ribbon, the no-load losses are **reduced by up to 70%**

Low noise

Develops a unique iron core mounting technology and uses vibration analysis simulations to **reduce noise**



Small footprint

A compact design, **easy installation**

Maximum safety

High mechanical strength, waterproofing, and anti-short-circuit capability



Applications

It can be widely used in sites that has high demand of fire management and low utilization of distribution, such as cloud data centers, rural power grid, high-rise buildings, commercial centers, subway systems, airports, power plants, etc.

Achievements

China Telecom, China Mobile, China Unicom, People's Liberation Army of China (specific unit), Huawei Hubei Research Institute Data Center (IDC), Daqing Zhonglan Petrochemical Co., Ltd., Beijing Mining and Metallurgy Research Institute, etc.

Transformer Series

S(B)H-M Amorphous Alloy Distribution Transformer (Oil-immersed Type)



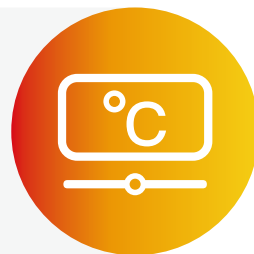


Lower no-load loss

Adopts high-quality amorphous alloy ribbon, the no-load losses are **reduced by up to 60%**

Advanced technology

Manufactures products through a process with constant temperature and humidity and dust-free conditions to ensure product quality



Maximum safety

No leakage, high insulation capacity, **low partial discharge**

Self-design

Invented sh15-m-6300/35 amorphous alloy transformer, and passed all the professional tests



Applications

It is applicable for the reconstruction of rural power grids, and urban power grids, and large-scale data centers.

Achievements

Beijing Northern Energy Saving and Environmental Protection Co., Ltd., Tianjin Electric Power Company, Shaanxi Electric Power Company, Liaoning Electric Power Company, Beijing Chaoyang Electric Power Engineering Company, Shenshuo Railway Branch Company, Nanjing China Post Air Express Logistics Distribution Center Phase II Apron Construction Project, etc.

Transformer Series

S Series Transformer



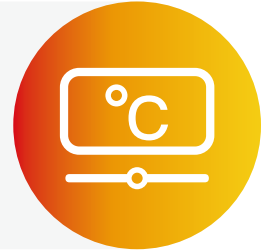


Safety

High insulation performances and **reliable technologies**

Advanced technology

It combines both traditional and modern structures of oil-immersed type transformers. There are three models of it: class-one s22, class-two s20, and class-three s13



Applications

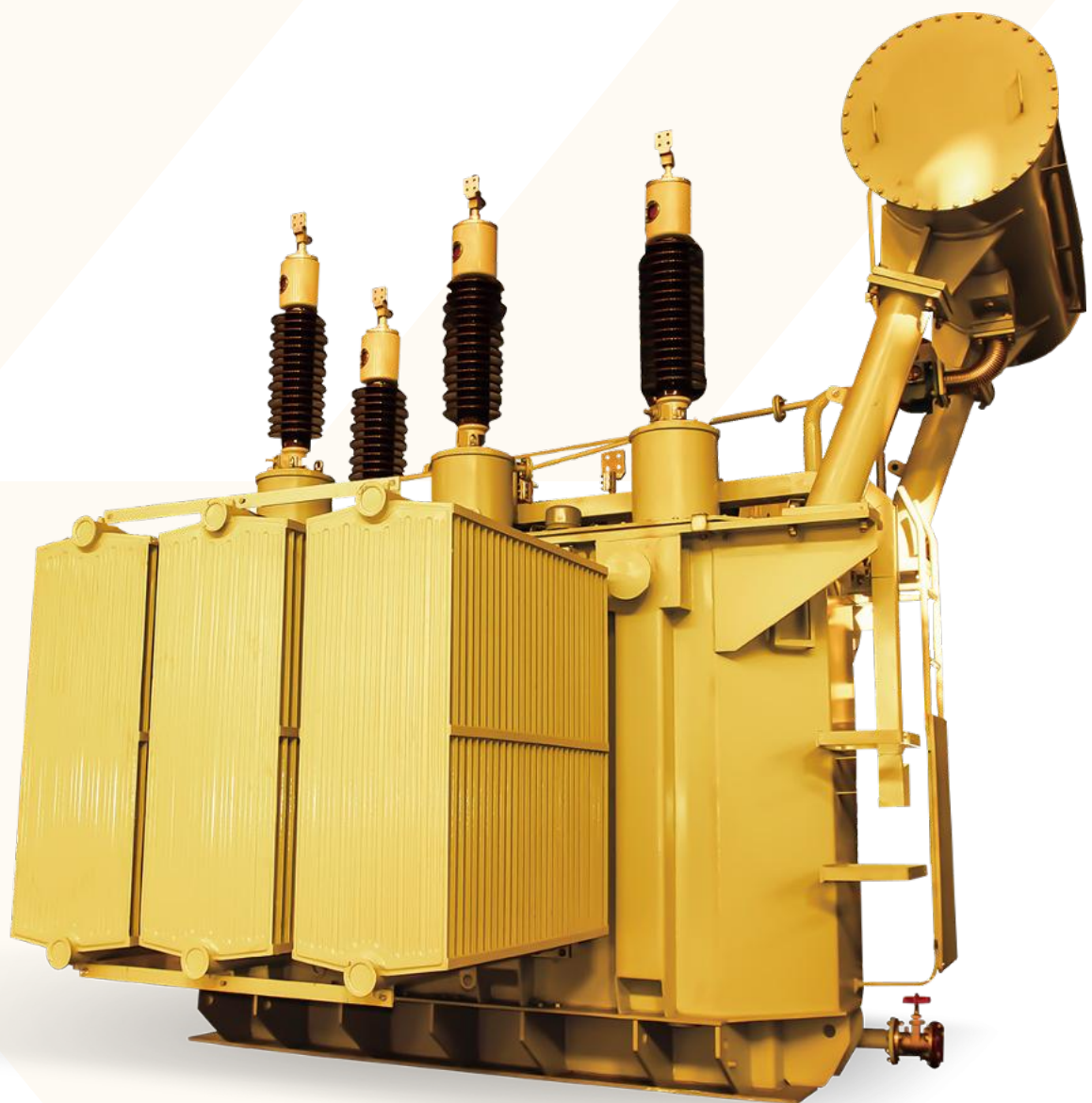
It can be widely used in urban power grids, rural power grids, high-end power supply fields, and industries such as steel, coal mining, chemical, cement, pulp and paper, and metallurgical, etc.

Achievements

Shougang Shuicheng Iron and Steel (Group) Co., Ltd., AVIC The Third Research Institute of China Electronics Technology Group Corporation (CETC), Wuxi Metro Line 1-4, Chongqing Metro Line 2, Nanjing Metro, Guangzhou Metro.

Transformer Series

SRN High-temperature Resistant Transformer





Low maintenance cost

It has **stable mechanical performance** and electrical properties, so the maintenance cost will be reduced for its **long lifespan**

Eco-friendly

The materials can be **recycled and reused**



Maximum safety

It adopts the **dupont nomex® insulation system** to ensure high insulation heat resistance, corrosion resistance, excellent flame retardancy, and strong overload capacity

Applications

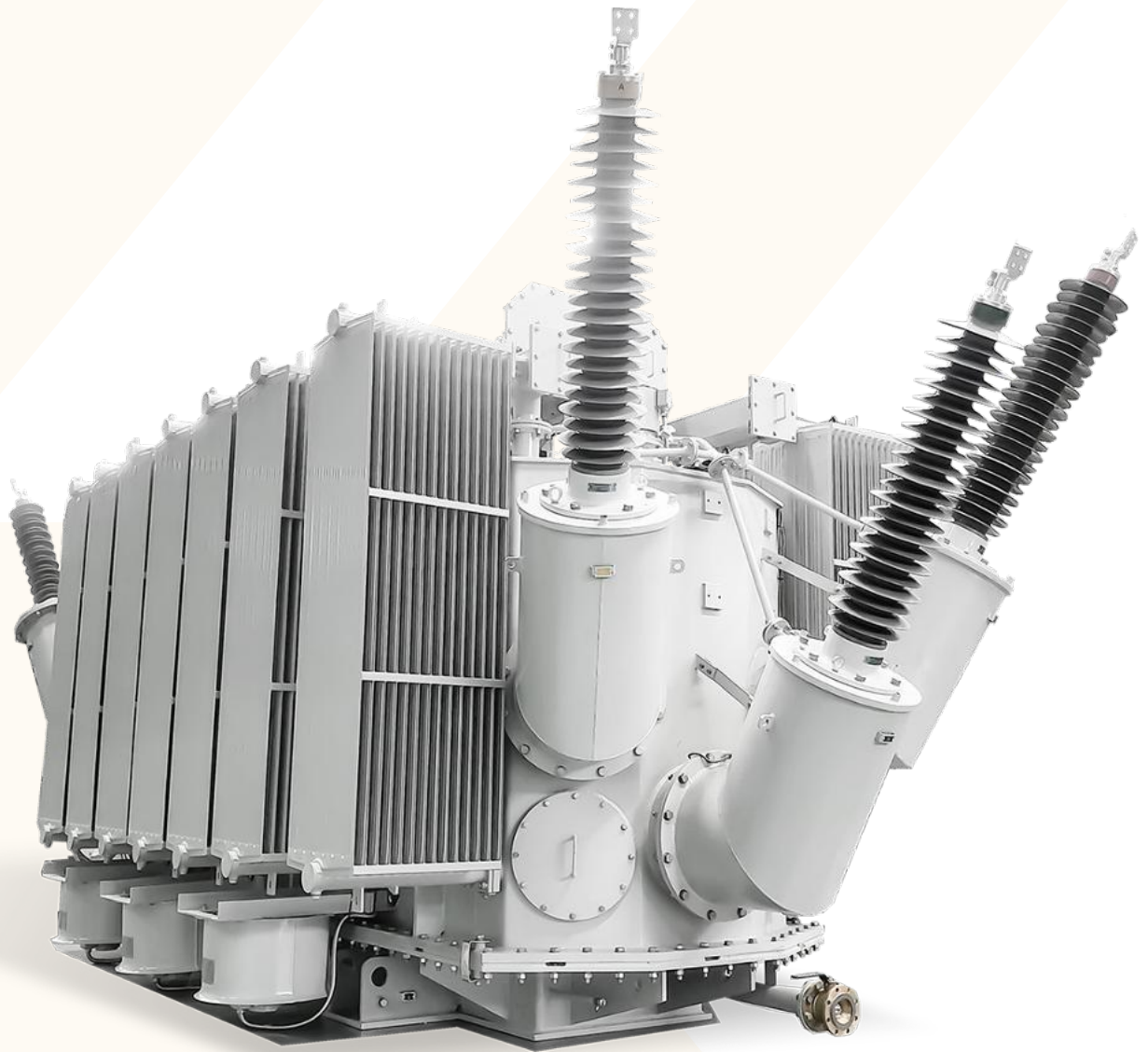
It can be widely used in high-end power supply fields and industries such as steel, coal mining, chemical, cement, pulp and paper, and metallurgical, etc.

Achievements

Guangzhou-Zhuhai Railway Co., Ltd., Beijing Shougang International Engineering Technology Co., Ltd., Guiyang Urban Rail Transit Co., Ltd., Heilongjiang Longmei Mining Group Co., Ltd., Guizhou Shuicheng Coal Mining Co., Ltd., Chongqing Energy Group, Lanzhou Railway Bureau, Liaoning Provincial Electric Power Co., Ltd., Shandong Luneng Materials Group Co., Ltd., Weiqiao Textile Co., Ltd., Shanxi Provincial Electric Power Company, Shaanxi Provincial Electric Power Company, Northwest Power Grid Co., Ltd., etc.

Transformer Series

Vehicle-mounted Mobile Transformer



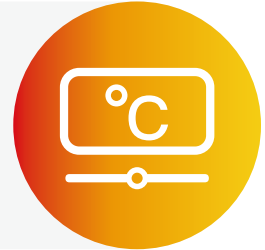


Long lifespan

Compared to conventional transformers, which only require short-term operation for a few days, this type of transformer can **operate for several months to 1-2 years**

Advanced technology

It is a **self-designed** product that has stronger mechanical performance than conventional transformers, which are deemed the **core equipment of mobile substations**



High durability

It needs to be lifted and transported multiple times, so it can completely replace conventional mobile transformers

Applications

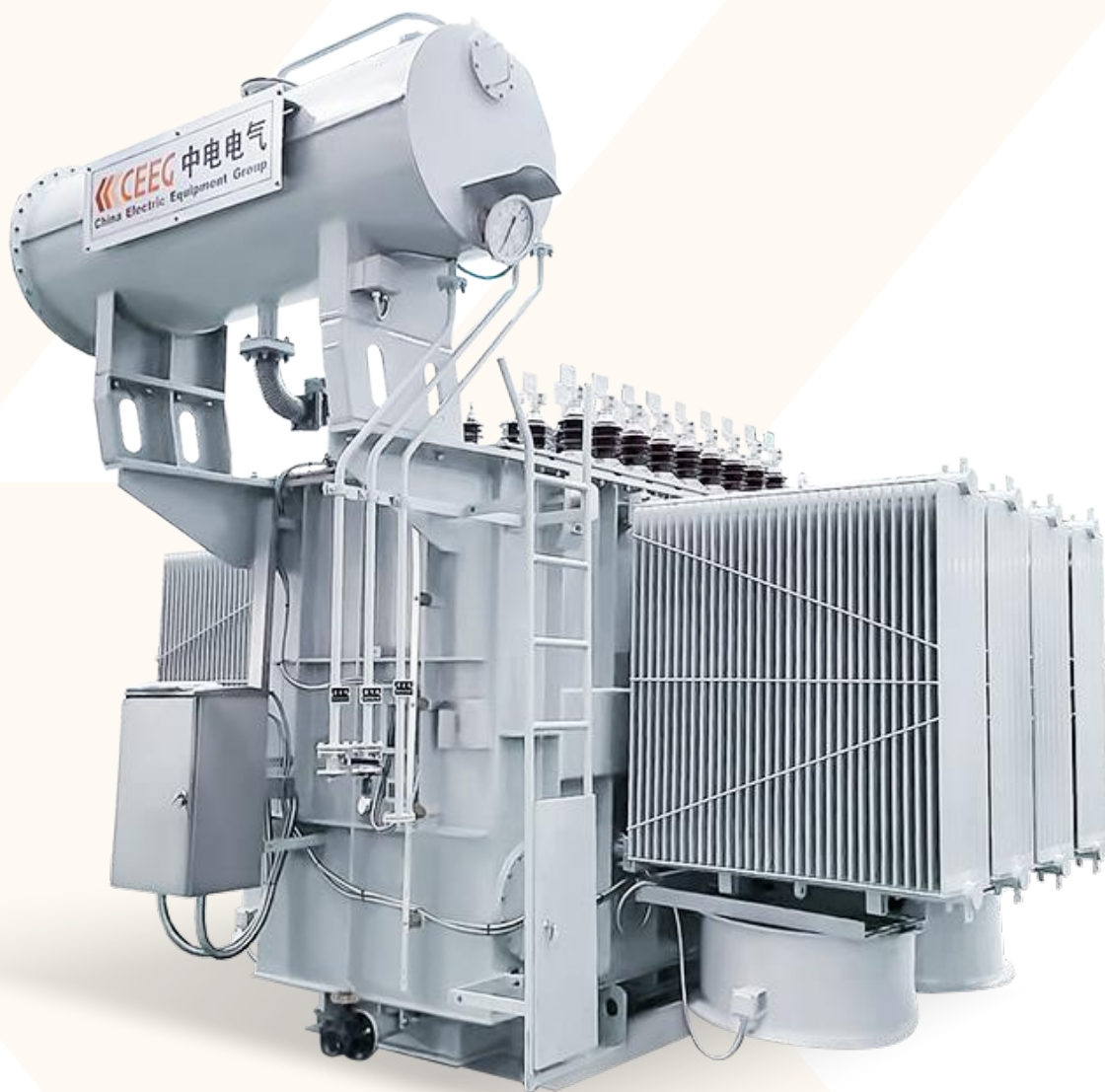
It can be widely used in high-end power supply fields and industries such as steel, coal mining, chemical, cement, pulp and paper, and metallurgical, etc.

Achievements

Guangzhou-Zhuhai Railway Co., Ltd., Beijing Shougang International Engineering Technology Co., Ltd., Guiyang Urban Rail Transit Co., Ltd., Heilongjiang Longmei Mining Group Co., Ltd., Guizhou Shuicheng Coal Mining Co., Ltd., Chongqing Energy Group, Lanzhou Railway Bureau, Liaoning Provincial Electric Power Co., Ltd., Shandong Luneng Materials Group Co., Ltd., Weiqiao Textile Co., Ltd., Shanxi Provincial Electric Power Company, Shaanxi Provincial Electric Power Company, Northwest Power Grid Co., Ltd., etc.

Transformer Series

Converter Transformer (Oil-immersed Type)





Maximum safety

No leakage, high insulation capacity, low noise, **strong overload capacity**

Reliable operation

Effectively improve electrolysis electrical efficiency and **reduce the no-load loss**

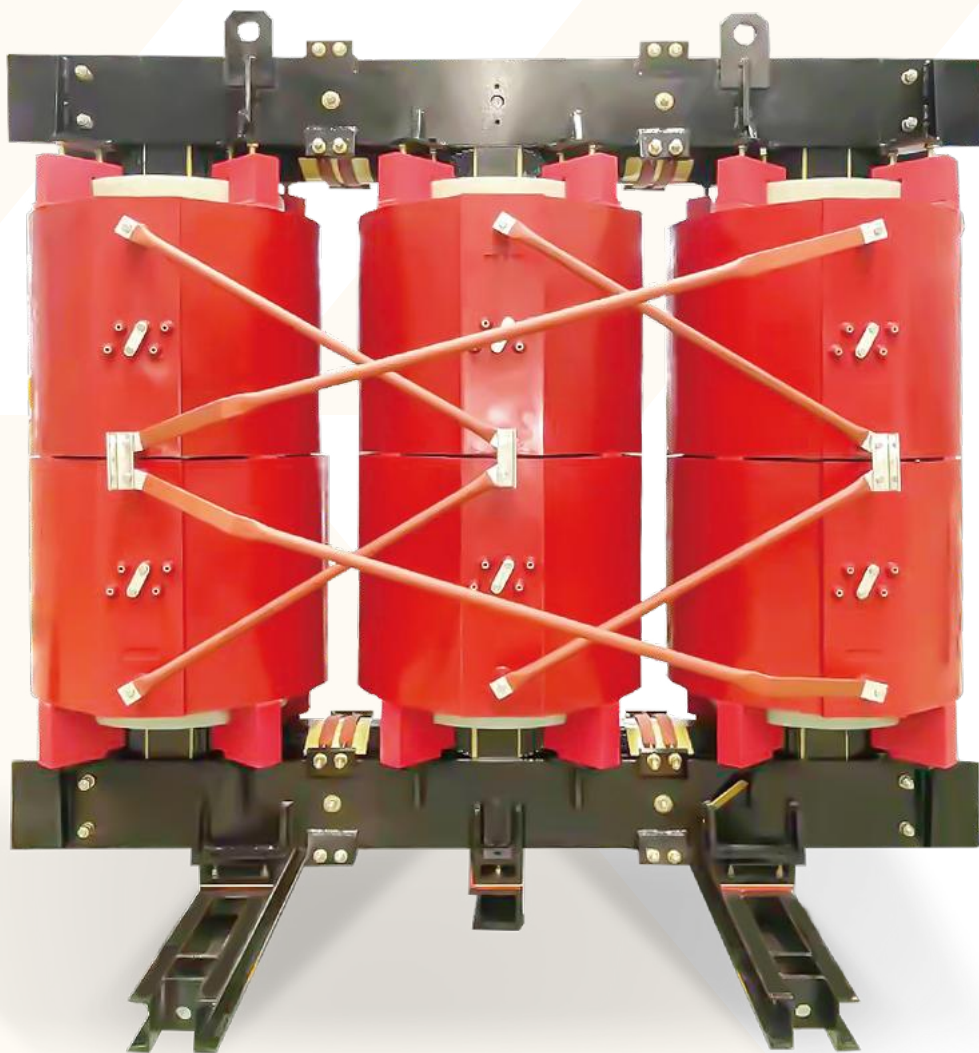


Applications

It can be widely used in industries such as electrochemical engineering, hydrogen energy, etc.

Transformer Series

Converter Transformer (Dry Type)





Flexible solutions

Silicon steel or amorphous alloy ribbon of iron core material **for options**; three-phase three-column or three-phase five-column of iron core structure **for options**; epoxy resin casting process or vacuum pressure impregnation process of technologies **for options**, etc.

Maximum safety

No leakage, high insulation capacity, low noise, strong overload capacity



Applications

It can be widely used in fields such as energy storage, photovoltaics, variable-frequency, subway traction, infeed test, charging station, etc.

Transformer Series

SG Dry Type Transformer



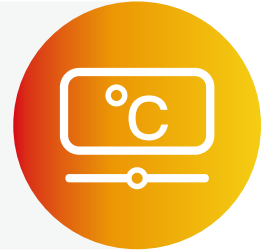


Safety

High insulation heat resistance, excellent flame retardancy, and strong overload capacity

Advanced technology

Adopts the excellent technology of **dupont reliatran®** core technology to minimize the size by **10%** and reduce the materials by **10%**

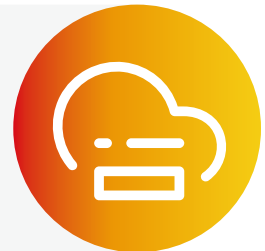


Eco-friendly

The materials can be **recycled and reused**

Smart operation

Equipped with an intelligent transformer **data analysis system** for smart operation and maintenance



Applications

It is applicable for places that have a high requirement for safety, such as shopping malls, residential areas, schools, hospitals, etc. It can also be used in some places that have a harsh ambience and high demand for power supply, such as coal mines, nuclear power plants, cement factories, etc.

Achievements

National Olympic Sports Center Comprehensive Training Hall, Beijing Aerospace Times Laser Navigation Technology Co., Ltd., China University of Petroleum, Beijing Tiantan Hospital, etc.

Transformer Series

Marine Offshore Duty Transformers





Lower no-load loss

Adopts **high-quality silicon steel**, which effectively reduces the no-load losses

Safety

The enclosure and transformer have high insulation heat resistance and excellent waterproofing

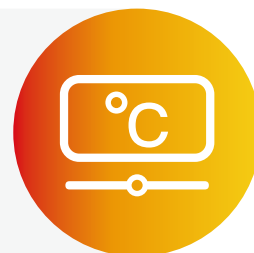


Strong overload capacity

The structure combines an **air- and water-cooling system**, which enhances the overload capacity

Advanced technology

Adopts the excellent technology of **dupont nomex® insulation system**, the vacuum pressure impregnation process, and the epoxy vacuum casting process



Applications

The scope of application for marine transformers includes bulk carriers, oil tankers, container ships, chemical tankers, LNG (liquefied natural gas) carriers, Ro-pax ferries, etc. it can also be used in docks, offshore platforms, etc.

Achievements

China Shipbuilding Industry Corporation (CSI) 712th Research Institute, Shanghai Zhenhua Heavy Industries Co., Ltd., Nantong COSCO Kawasaki Ship Engineering Co., Ltd., CNOOC (China National Offshore Oil Corporation) Shenzhen Branch, etc.

Transformer Series

SC Cast Resin Transformer



Achievements

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.

Product types

Features	10kV Series Transformer	35kV Series Transformer	Traction converter Transformer
High-quality	Low no-load loss, low partial discharge, and low noise		
Safety	It can be directly installed in the load center	Strong impact resistance	Reliable operation under class VI load conditions
Eco-friendly	Flame retardant and non-toxic gas pollution		Low electromagnetic radiation pollution
Applications	Can be used in various areas, especially in places that have seasonal load fluctuations	Some densely populated and small areas, such as urban substations, data centers, industries, etc.	Railways

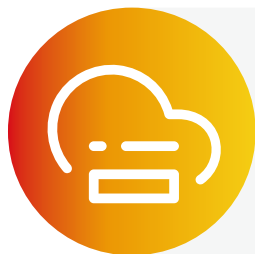


Lower no-load loss

Adopts **high-quality silicon steel**, which effectively reduces the no-load losses

Safety

The enclosure has high insulation heat resistance, excellent waterproofing, and strong overload capacity

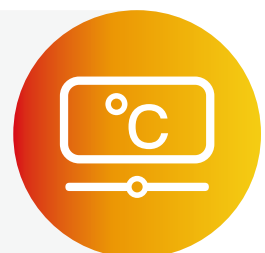


Smart operation

Equipped with **intelligent solution systems** for smart operation and maintenance

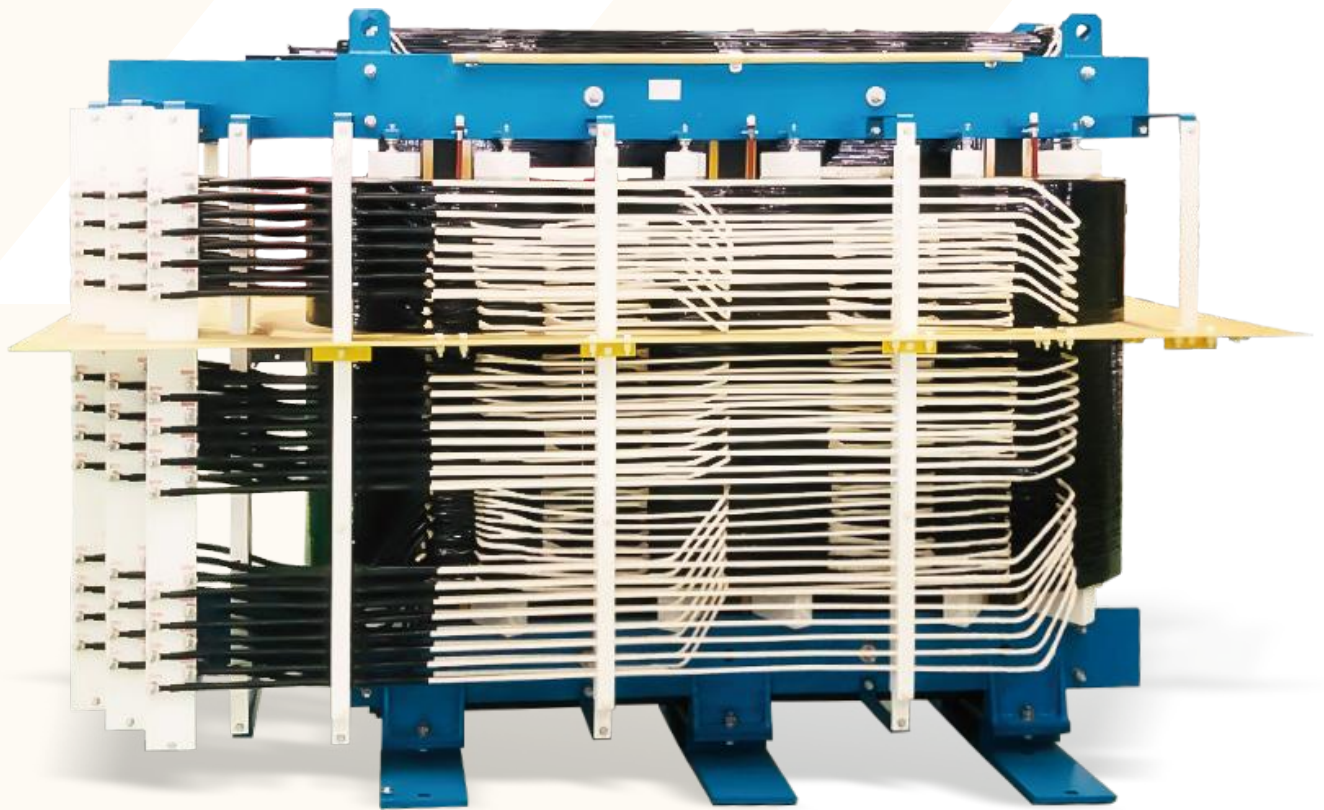
Advanced technology

It adopts several types of **simulation analysis**, and has passed the kema's e2, c2 and f1 testing



Transformer Series

ZPSG Variable-frequency Transformer





Stable structure

It adopts a **core-positioning structure** of a multi-stage stepped process, which makes the iron core more stable

Strong short-circuit resistance



Safety

The maximum capacity can reach **9000 kva**, and it has **72-pulse rectification**. It adopts an air-cooling guiding system that has high heat dissipation efficiency

Reliable design

Multiple technologies are adopted to effectively suppress harmonic content, which **extends the motor lifespan**



Applications

It always matches up with high-voltage inverters for operation, and it is mainly used in industries such as municipal water supply, metallurgical, petrochemicals, cement, coal mining, etc.

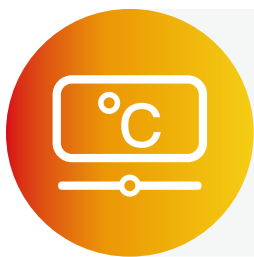
Achievements

Siemens (Shanghai) Electrical Drive Systems Ltd., ABB Electrical Drive Systems Co., Ltd. (Beijing), Beijing Dynamic Source Technology Co., Ltd., Beijing Kangyi Sheng Frequency Conversion Technology Co., Ltd., Jiangsu Lipu Electronic Technology Co., Ltd., Wuxi Fuji Electric Co., Ltd., Hefei Chunyan Electric Switch Co., Ltd., etc.

Transformer Series

KBSG2-T Mining explosion-proof & KBSGZY2-T Mining explosion-proof Transformer Mobile Substation





Advanced technology

Adopts the excellent technology of **dupont nomex® insulation system**, and applies the corrugated structure to extend the heat dissipation area

Safety

Uses a cylindrical explosion-proof enclosure to enhance heat resistance, excellent flame retardancy, low noise, low partial discharge, and strong overload capacity



Easy operation

Low maintenance cost, and reliable operation system

Applications

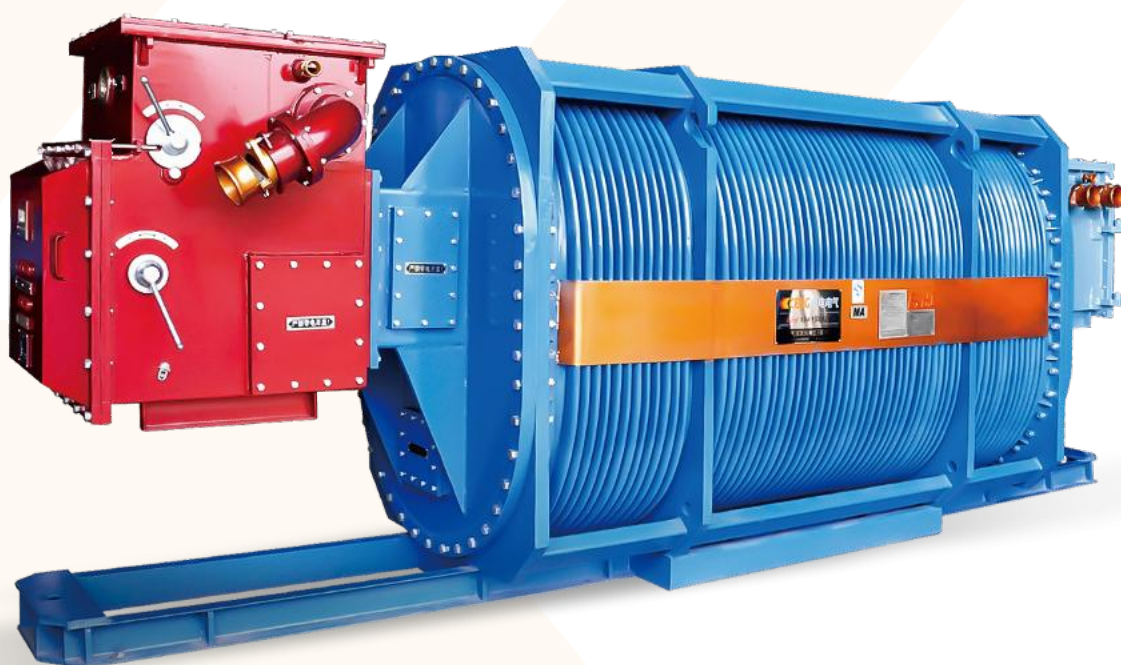
It is widely used in the power supply of underground equipment in coal mines.

Achievements

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.

Transformer Series

KBZSGZY Mining Explosion-proof Converter Mobile Substation



Applications

The product supplies power to the explosion-proof variable-frequency drive. It is widely used in coal mines to supply power to 1140V and 3300V explosion-proof variable-frequency drive speed-regulating devices, which have tri-level sync technology.

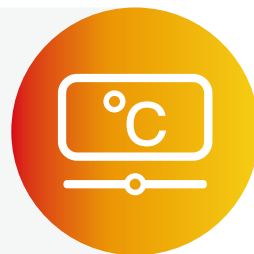


Lower no-load loss

Adopts high-quality silicon steel, which effectively reduces the no-load losses

Advanced technology

Adopts the excellent technology of **dupont nomex® insulation system** and vpi vacuum pressure impregnation process, and applies the corrugated structure to extend the heat dissipation area



Safety

Uses a cylindrical explosion-proof enclosure to enhance heat resistance, excellent flame retardancy, low noise, low partial discharge, and strong overload capacity

Easy operation

It is an integrated design that has a **reliable operation system** for operation status monitoring, failure analysis, and centralized control



Eco-friendly

Some materials can be **recycled**

Achievements

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.

Transformer Series

PBG/KBG H.V Vacuum Switch & BBD L.V Protective Case
(for Mining Explosion-proof Mobile Substation)



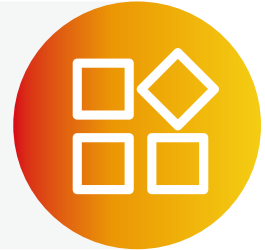


Smart operation

It adopts an **intelligent system** and **real-time monitoring** functions to ensure precise protection and easy maintenance

Modular design

It is equipped with standard **rs232/485 interface** for data and status monitoring



Reliable structure

The machine has **small size**, and the core control system consists of an industrial programmable logic controller (plc) and a human-machine interfaces (hmis)-got

Safety

The protective case has four circuits on two sides for output, which can connect multiple loads



Applications

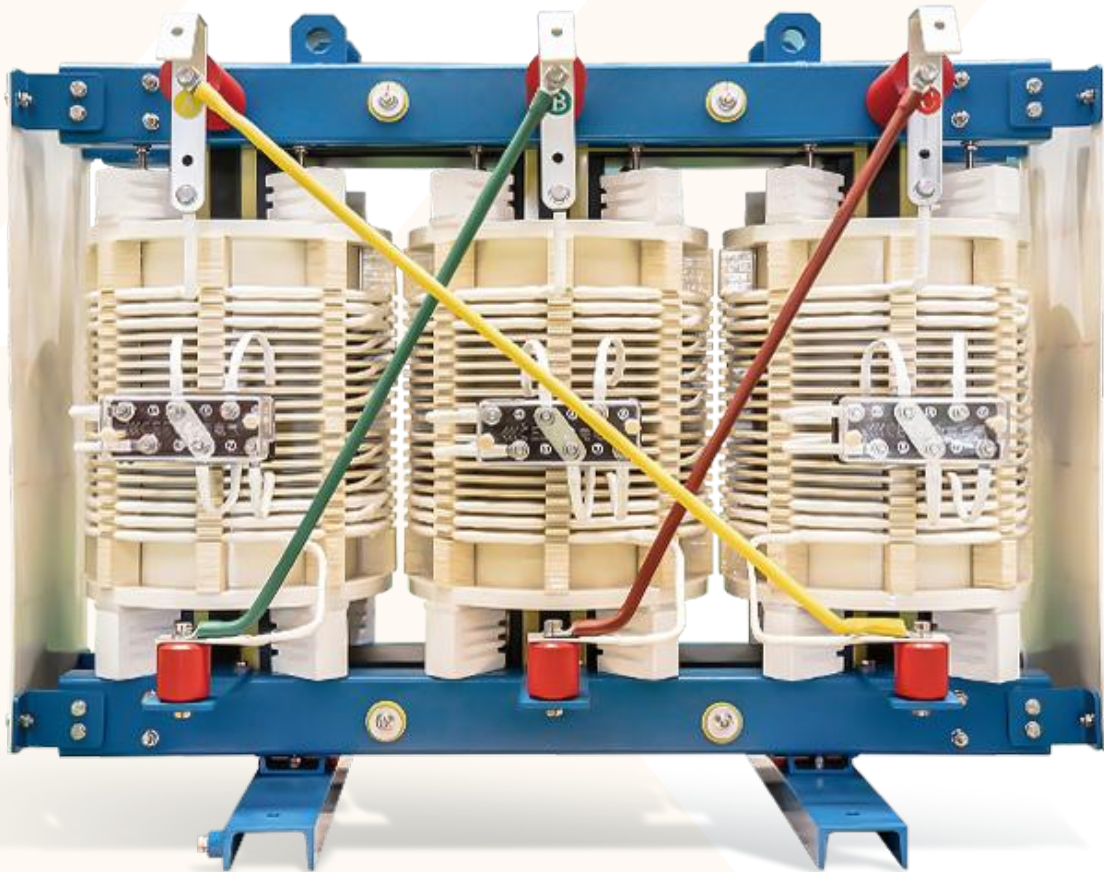
It is widely used in the power supply of underground equipment in coal mines.

Achievements

China Shenhua Group (including subsidiary companies), Datong Coal Mine Group Tongzhong Electric Co., Ltd., Chongqing Energy Investment Group Co., Ltd., Xuzhou Mining Group Co., Ltd.

Transformer Series

Open-Type Dry Type Transformer for Energy Storage





Reliable structure

It has an **open-type structure**, which provides excellent heat dissipation and strong overload capacity

Compact design

It adopts the **dupont nomex® vpi insulation system** to ensure a small footprint

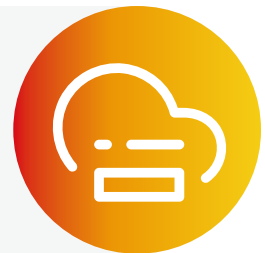


Safety

The transformer can be used at ambient temperatures ranging from **-40°C to 220°C**. It is flame-retardant and has stable performance

Smart operation

Equipped with intelligent transformer terminals for smart operation and maintenance



Applications

It is applicable for user-side energy storage applications such as hospitals, witparks, solar charging stations, data centers, etc.

Transformer Series

Epoxy Dry Type Transformer for Energy Storage





Cost-effective

High-quality design and low-maintenance

Safety

High overload capacity, strong heat dissipation, **low no-load loss**, and excellent harmonic withstand performance



Compact design

Flexible solutions

Various options of capacity, voltage, and impedance

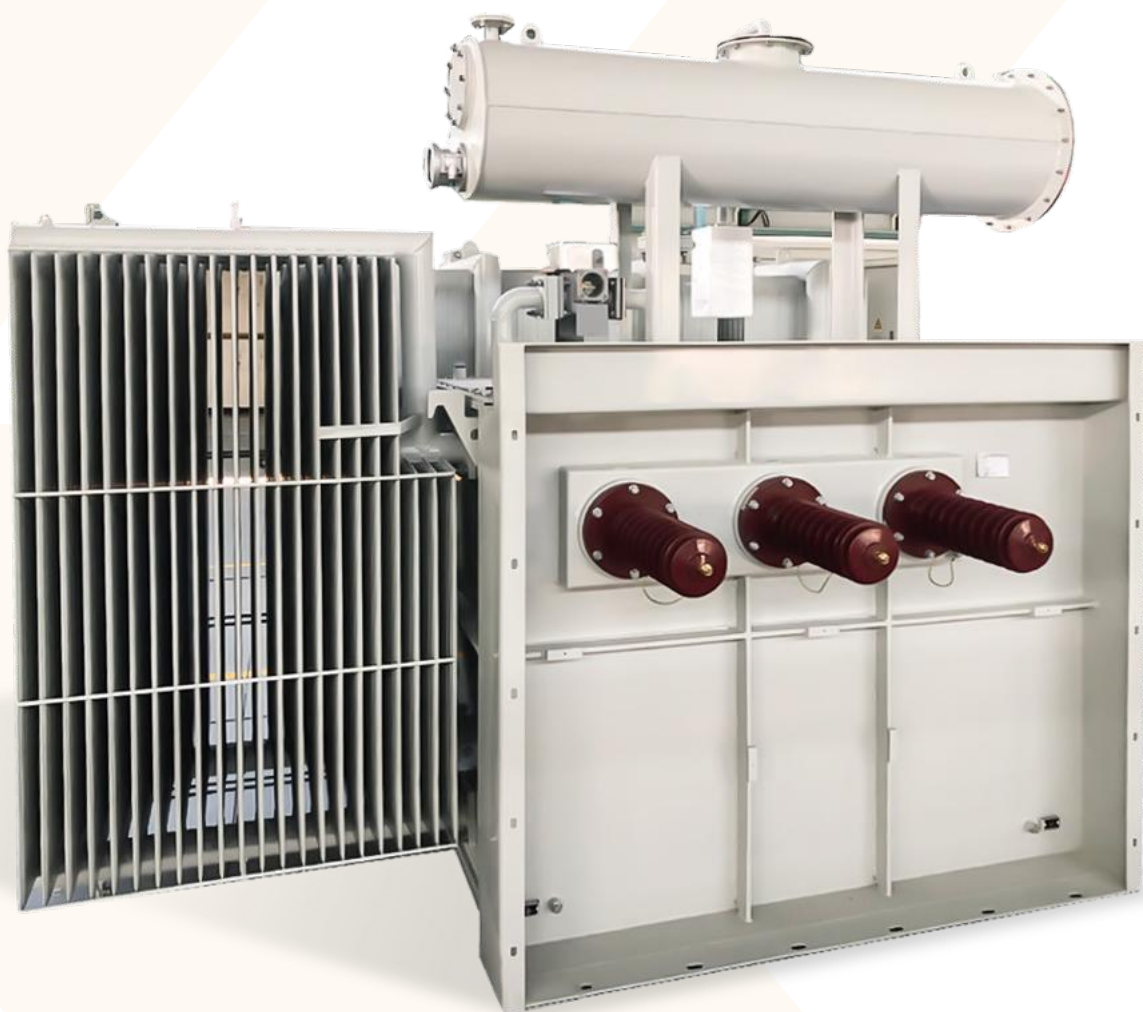


Applications

It can be widely used in many fields, such as new energy power generation, power grid energy storage, EV charging stations, etc.

Transformer Series

Oil-Immersed Type Transformer for Energy Storage





Safety

High overload capacity, strong heat dissipation, low no-load loss, and excellent harmonic withstand performance

Compact design

The outlet way of the copper busbars has been renewed to **reduce the losses and minimize the footprint**



Flexible solutions

Various options of capacity, voltage, and impedance

No leakage

It changes the location of inside devices and the way of on-off mode to ensure leakage-free products



Applications

It can be widely used in many fields, such as new energy power generation, power grid energy storage, EV charging stations, etc.

Transformer Series

Rectifier Transformer for Hydrogen



Applications

It can be widely used in many fields, such as new energy power generation, power grid energy storage, EV charging stations, etc.



Safety

It is filled with **non-toxic and flame-retardant** epoxy resin to ensure high mechanical strength and pollution-free

Easy installation

This type of transformer is delivered as a complete machine to enhance the installation efficiency



High overload capacity

The maximum overload capacity can reach **200%**

Low noise



Cost-effective

This transformer can be installed together with rectifiers and other electrical equipment, which **minimizes the footprint**

Flexible solutions

It can be designed according to specific customer requirements



Substation Series

ZGS Prefabricated Substation (American Type)



Product Introduction

The ZGS prefabricated substation (American Type) is a unified design of transformer, oil-immersed load switch, safety fuse, and other devices that is placed in a completely sealed conservator tank. The option of transformer type for this substation is variable.



Flexible installation

It has a compact design and a **small footprint**. Besides, ct, pt, protection, and communication devices can be installed on the high-voltage side

Intelligent technology

An **led display screen** can be installed on the surface of the enclosure to show all kinds of information, and the system can also provide intelligent data acquisition and analysis



Maximum safety

The enclosure is **fully sealed** with excellent heat dissipation

Cost-effective



Applications

It can be widely used in industrial parks, residential communities, business centers, high-rise buildings, and other places which need power transmission and distribution, etc.

Achievements

Beijing Gongke Feida Transportation Engineering Development Co., Ltd., Inner Mongolia Xilin Gol Baiyinhua Coal and Electricity Company, Jiangsu Huaxi Group Corporation, China Gezhouba Group Electrical Power Co., Ltd., Qinghai Huanghe Hydropower Development Co., Ltd., etc.

Substation Series

YB Prefabricated Substation (European Type)



Product Introduction

The YB prefabricated substations is a unit of indoor or outdoor power transmission and distribution, which consist of the H.V room, the transformer room, and the L.V room.



Intelligent operation

The system can also provide intelligent **data acquisition and analysis**

Long lifespan

It is made of section steel or steel plate, which has **strong mechanical properties, weather-fastness, and corrosion resistance**



Safety

Reliable function of the **anti-misoperation interlock system**

Variable installation methods

Different types of high-voltage switches for options; dry-type or oil-immersed type transformers for options; walk-in and non-walk-in enclosures of the l.v room for options



Applications

It can be widely used in industries, utilities, infrastructure, and many fields that need power transmission and distribution, etc.

Achievements

Beijing Olympics Qingdao International Sailing Centre, State Grid Smart Grid Research Institute, The National Anti-Doping Laboratory, China Railway 14th Bureau Group, Sinopec Corp. Wuhan Company, etc.

Substation Series

E-house Prefabricated Substation



Product Introduction

The E-house is a prefabricated substation with a walk-in modular outdoor enclosure that contains the transformer, the H.V switchgear, the L.V switchgear, and many auxiliary devices such as metering equipment, compensation equipment, and surge arresters, etc.



Modular transportation

Maximum safety

The containerized enclosure is fully sealed and has **excellent heat dissipation and weather-fastness**



Easy maintenance

It adopts an **on-site installation method**

Cost effective

The high quality of products and advanced technology offer the equipment **a long lifespan**



Applications

It can be used for a variety of applications, such as numerous industries.

Achievements

Zimbabwe exportation project

Substation Series

YBF Substation for Photovoltaic/Wind Applications



Product Introduction

YBF series of substation is specially designed for photovoltaic or wind power generation systems. It can increase the voltage generated by the solar panel or wind turbine from 0.6–0.69 kV to 10 kV or 35 kV and then be connected to the grid to generate power.



Stable structure

The enclosure is fully sealed and has strong performances such as **dust-proof, waterproof, rustproof, and corrosion resistant**

Smart control system

It can be controlled or operated remotely



Well-ventilation

The substation contains devices for **natural ventilation and thermal insulation**. When the ambient temperature is close to 40 °C, a forced ventilation system will be started

Applications

It can be widely used in wind and photovoltaic power plants.

Achievements

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., etc.

Integrated Boost Converter Series

Energy Storage Integrated Boost Converter (Dry Type)



Product Introduction

This boost converter is used to step-up an input voltage to a higher level according to a load. By storing energy in an inductor and releasing it to the load at the higher voltage, the "boosting" function is achieved. The energy storage boost integrated converter can connect to the grid and combine with new energy generation system to ensure energy storage. The dry type of converter shows its much safer feature to make sure the reliable operation.

Applications

This type of inverter is applicable for various energy storage applications, including power generation, user-side applications, and grid-connected systems, etc.

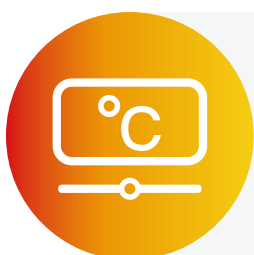


Compact design

It integrates a pv inverter, transformer, and switchgear in one unit, and the enclosure is convenient for delivery, **the installation time is reduced by 50%**

Safety

It has strong environmental adaptability due to its materials (such as weather-resistant steels, insulation boards, etc.), which ensure **strong corrosion resistance, thermal insulation, and heat dissipation**



Advanced technology

It uses the cast epoxy resin dry-type transformer, which is **non-inflammable**

Low investment and high profit

Compared to the mode of "inverter room + pv substation," **the investment is reduced by 15% to 20%**



Flexible solutions

It can be designed according to specific customer requirements

Achievements

Qinghai Geermu 100MW200MW Project, State Power Investment Corporation's 20MW Photovoltaic Energy Storage Project, Ronghe Yuan Shandong Peninsula Yantai Haiyang 15MW Energy Storage Project, Guoxuan High-Tech Energy Storage Project, Shanghai Electric Jinchang Energy Storage Project, Ganghua Era User-Side Energy Storage Project, JD.com Energy Storage Project, Ningxia Muhe Energy Storage Project, etc.

Integrated Boost Converter Series

Energy Storage Integrated Boost Converter (Oil-immersed Type)



Product Introduction

This boost converter is used to step-up an input voltage to a higher level according to a load. By storing energy in an inductor and releasing it to the load at the higher voltage, the "boosting" function is achieved. The energy storage boost integrated converter can connect to the grid and combine with new energy generation system to ensure energy storage. The oil-immersed type converter shows its cost-effective feature, which has a high demand of advanced technology.

Applications

This type of inverter is applicable for various energy storage applications, including power generation, user-side applications, and grid-connected systems, etc.



Compact design

It integrates a pv inverter, transformer, and switchgear in one unit, and the enclosure is convenient for delivery, **the installation time is reduced by 50%**

Safety

It has strong environmental adaptability due to its materials (such as weather-resistant steels, insulation boards, etc.), which ensure **strong corrosion resistance, thermal insulation, and heat dissipation**



Low investment and high profit

Compared to the mode of "inverter room + pv substation," **the investment is reduced by 15% to 20%**

Flexible solutions

It can be designed according to specific customer requirements



Cost-effective

Achievements

Qinghai Geermu 100MW/200MW Project, State Power Investment Corporation's 20MW Photovoltaic Energy Storage Project, Ronghe Yuan Shandong Peninsula Yantai Haiyang 15MW Energy Storage Project, Guoxuan High-Tech Energy Storage Project, Shanghai Electric Jinchang Energy Storage Project, Ganghua Era User-Side Energy Storage Project, JD.com Energy Storage Project, Ningxia Muhe Energy Storage Project, etc.

Switchgear Series

KYN28/ASZ1 Metal-clad AC Enclosed Withdrawable Switchgear



Product Introduction

KYN28/ASZ1 series of switchgear is a unit of high-performance distribution equipment which passed all type tests and full-load tests. It can be equipped with ABB VD4 vacuum circuit breakers or VS1 vacuum circuit breakers.



High safety

An **anti-misoperation interlocking system** to provide maximum user safety

Maximum flexibility:

The switchgear is a well-equipped machine; it has a **wall-mounted** method of installation to minimize the footprint



Easy maintenance

The cable room has **enough space** to connect more cables, which makes it easy to maintain the machine

Applications

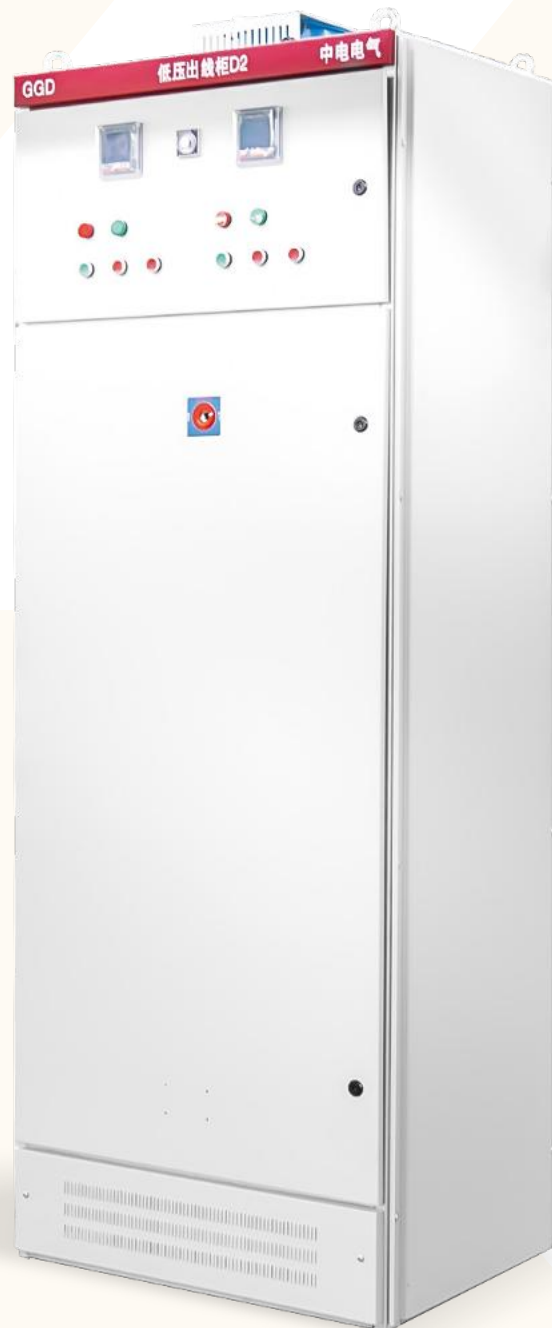
It must be installed in a site without fire, explosion, chemical corrosion, and violent vibration. It can be widely used in industries, utilities, infrastructure, and many fields that need power transmission and distribution to provide control, protection, and monitoring functions.

Achievements

China CEMC Engineering Co., Ltd., Mengniu Dairy (Chabei) Co., Ltd., Guizhou Shuicheng Mining Co., Ltd., Offshore Oil Engineering (Zhuhai) Co., Ltd., ChinaCoal Pingshuo Coal Industry Co., Ltd., etc.

Switchgear Series

AC L.V Switchgears and Electric Panels



MNSZ L.V withdrawable switchgears

- Modular design
- Power distribution systems AC frequency: 50 (60) Hz; rated voltage: $\leq 380V$
- It is applicable for generating and transmitting power and controlling power consumption equipment

GCK withdrawable switchgears

- Rated frequency: 50 Hz; AC rated voltage: $\leq 380V$
- It is applicable for reactive power compensation, power receiving and distribution, and motor centralized control

GCS L.V withdrawable switchgears

- Three-phase AC frequency: 50 Hz; rated voltage: 380V; rated current: 4000A
- It is applicable for reactive power compensation, power distribution, current-limiting reactors, and motor centralized control

GGD AC L.V electric panels

- AC frequency: 50 Hz; rated voltage: 380V; rated current: 6300A
- It is applicable for the conversion, distribution, and control of electrical energy for power, lighting, and distribution equipment

Applications

The equipment can be widely used in industries such as power plants, petrochemicals, metallurgy, textiles, high-rise buildings, etc.

Achievements

Beijing Guodian Electric Power Engineering Installation Co., Ltd., Beijing Guodian Tongfang Electric Power Construction Engineering Co., Ltd., Tongcheng State Grid Electrical Equipment Co., Ltd., China Shipping Network Technology Service Co., Ltd., Zhongzi Taike Traffic Engineering Co., Ltd., Jointown Pharmaceutical Group Co., Ltd., etc.

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