

Recommended features are not all models all, please consult the sales staff or call the service hotline before purchase, all product pictures of this poster for reference only, please see the physical details



Jiangsu Ningyi Electrical Equipment Co., LTD
Ningbo Yian International Trade Co., LTD

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Jiangsu Ningyi Electrical Equipment Co., LTD
Ningbo Yian International Trade Co., LTD

PROMOTIONAL BROCHURE



National Grid qualified supplier
China Southern Power Grid qualified supplier

ENTERPRISE PHILOSOPHY

Specialize in improving quality

Innovation changes the future

Committed to the domestic first-class
distribution equipment supply/service provider



01

Company Profile

03

Corporate Culture

04

Service Support

05

Qualifications And Honors

07

Product Introduction

» COMPANY PROFILE

Jiangsu Ningyi Electrical Equipment Co., Ltd. was founded in 2017, with a registered capital of 60 million yuan, located in Xuzhou, Jiangsu Province, the central city of China's Huaihai Economic Zone. Is a power equipment manufacturing enterprise with technology development, technical service, new product development, power system design, product manufacturing comprehensive service capabilities, the introduction of advanced production and testing equipment. Existing staff of more than 100 people, including 6 technical research and development team, obtained more than 20 national invention patents to provide customers with safe, intelligent, energy-saving high and low voltage sets and power distribution equipment, in line with the concept of integrity, quality first, customer first good cooperation attitude, become one of the most large-scale and influential high-tech enterprises in Jiangsu Province.



CORPORATE CULTURE

Provide value to customers

Through continuous innovation, we provide customers with a high level of service and create sensitive, accurate and reliable after-sales support.

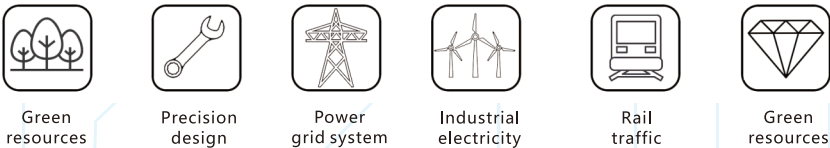
Seek benefits for employees

Maintain the interests of employees in the process of enterprise development, provide a development platform, and obtain greater benefits.

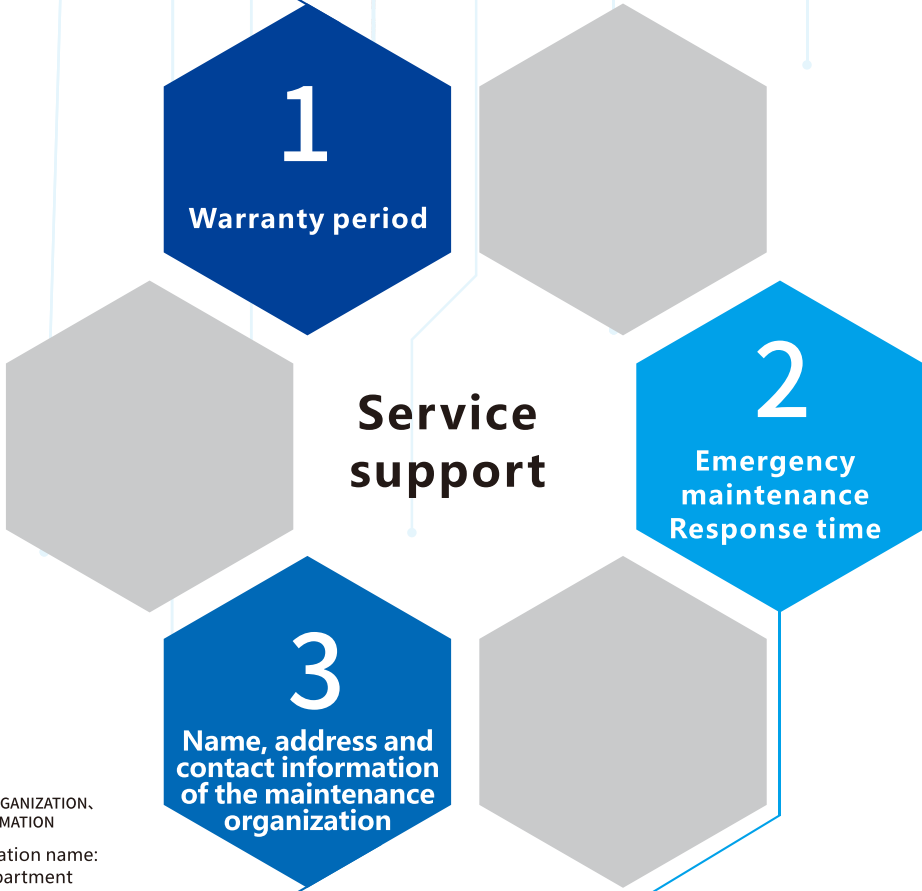
Take responsibility for society

Continue to return to society with the results of enterprise management, and promote social development with industrial progress.

SERVICE SUPPORT



- QUALITY ASSURANCE PERIOD
- Free warranty period
 - In case of product quality problems, free replacement within one year, three-year warranty, lifelong maintenance
 - If the product has exceeded the warranty period during operation, and the components and accessories are damaged, we will provide you with the lowest cost paid service and send professionals to replace and install.

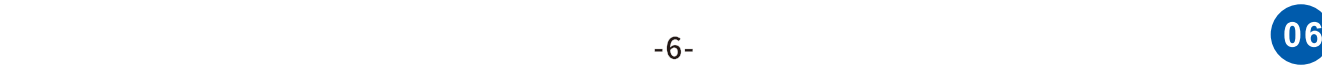
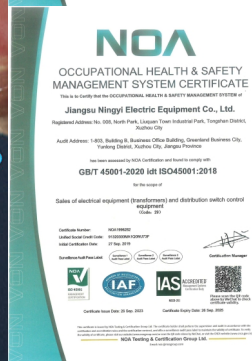
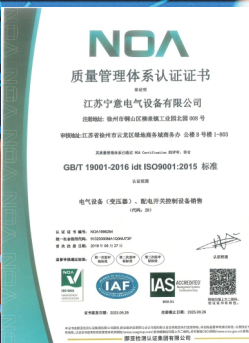
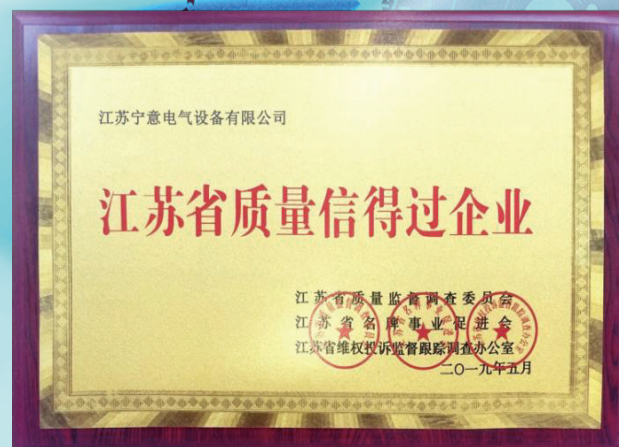
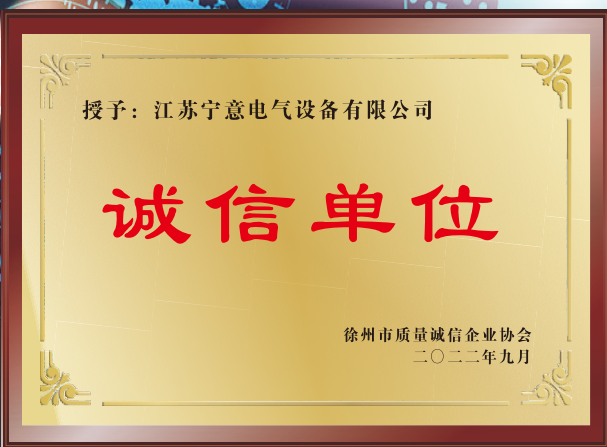


NAME OF MAINTENANCE ORGANIZATION, ADDRESS, CONTACT INFORMATION

- Maintenance organization name: Customer Service Department
- Add: No. 008, North Park, Liuquan Town, Tongshan District, Xuzhou City, Jiangsu Province
- Contact :0516-83878608 15895208141

EMERGENCY MAINTENANCE RESPONSE TIME

- If the equipment and its accessories fail, our company will reply within 2 hours after receiving the user's phone or fax, and the service personnel will arrive at the scene within 24 hours for maintenance.

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PRODUCT CATALOGUE

Oil-immersed distribution transformer

Energy saving, environmental protection, safety and reliability Your reliable choice

The best choice of urban and rural power grid reconstruction for environmental protection and energy conservation



Model Meaning	S		-	M	-		/	
	three-phase	Performance level code		Fully sealed		Rated capacity kVA		Voltage level kV

Product Overview	S-M liquid immersed distribution transformer is a self-developed product developed by our company through the combination of research and application of new materials and new technology, independent innovation and technology introduction, and the optimization and innovative design of iron core and coil structure to reduce no-load loss and noise. Compared with the current national standard, the noise level decreases by an average of 20%, and the product performance level reaches the international advanced level.
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35kV power transformer

Beautiful appearance, advanced technology and reliable operation

Ideal equipment for factory, rural and urban transmission network centers



Our company produces two series of power transformers: on-load voltage regulation and off-excitation voltage regulation



Model Meaning	S				-		/	
	three-phase	"F" is air-cooled and self-cooled without code	"Z" refers to on-load voltage regulation without excitation voltage regulation without code	Performance level code		Rated capacity kVA		Voltage level kV

Product Overview	Use steel straps or upper beam and side beam to form a solid frame structure to enhance the clamping force of iron core and the ability to withstand transportation impact. Strong short circuit resistance, beautiful appearance, reliable operation, low loss, low noise, reaching the advanced level of similar products abroad. The SZ-2000/35 transformer prototype produced by our company has passed the sudden short circuit test conducted by the National Transformer Testing Center at one time. The longitudinal oil channel of the high and low voltage coils is conducive to heat dissipation, which can greatly reduce the temperature difference between copper and oil and the hottest temperature rise inside the coils.
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SG(B)13、 SC(B)13 dry transformer

The best choice for power stations, factories, hospitals, airports, tunnels, chemical plants and nuclear power plants



Model Meaning	S	G/C	(B)	13	—	□	/	□
	three-phase	G: Non-encapsulated type (Class H) C: Epoxy resin casting type	Foil coil can be used for low voltage	Performance level code		Rated capacity kVA		Voltage level kV

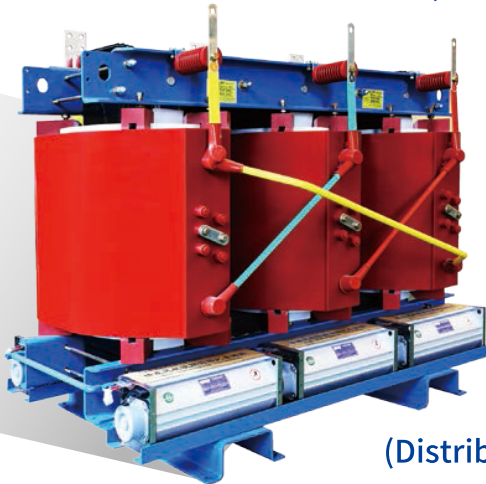
Product features	1	Because dry-type transformers have the advantages of strong short-circuit resistance, small maintenance workload, high operating efficiency, small size, low noise, etc., they are often used in places with high performance requirements such as fire prevention and explosion protection. Safe, fireproof, pollution-free, and can be directly used for high load power consumption;
	2	Adopt international advanced technology, high mechanical strength, strong short-circuit resistance, small partial discharge, good thermal stability, high reliability and long service life;
	3	Low loss, low noise, obvious energy-saving effect, maintenance-free;
	4	Good heat dissipation performance, strong overload capacity, and short-term over-capacity operation under forced air cooling;
	5	It has certain moisture-proof performance, and can operate in harsh environment with high humidity;
	6	The dry-type transformer can be equipped with a complete temperature detection and protection system. Intelligent signal temperature control system is adopted, which can automatically detect and patrol display the working temperature of each three-phase winding, automatically start and stop the fan, and have alarm, trip and other function settings;
	7	Small size, light weight, small floor space and low installation cost

35kV dry-type power transformer

The best choice for power stations, factories, hospitals, airports, tunnels, chemical plants and nuclear power plants.



(Main transformer)



(Distribution transformer)

Product features	The 35kV dry-type transformers produced by our company include 13 types, 14 types and 18 types. For specific parameters, please consult the business personnel.	
	1	Because dry-type transformers have the advantages of strong short-circuit resistance, small maintenance workload, high operating efficiency, small size, low noise, etc., they are often used in places with high performance requirements such as fire prevention and explosion protection. Safe, fireproof, pollution-free, and can be directly used for high load power consumption;
	2	Adopt advanced technology, high mechanical strength, strong short-circuit resistance, small partial discharge, good thermal stability, high reliability and long service life;
	3	Low loss, low noise, obvious energy-saving effect, maintenance-free;
	4	Good heat dissipation performance, strong overload capacity, and short-term over-capacity operation under forced air cooling;
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	7	Small size, light weight, small floor space and low installation cost.

ZGS type combined transformer

Reliable power supply, reasonable structure, convenient operation, economic and practical, beautiful and generous

Specially designed and manufactured for urban distribution network



Model Meaning	Z		S		-		-		/	
	Combined transformer	F is apportioned G is a common box type	three-phase	Performance level code		High voltage connection scheme Z terminal H ring network		Rated capacity kVA		Voltage level kV

Product Overview	<p>ZGS series combined transformer, namely American box transformer, is a series of products developed according to the needs of urban and rural power grid construction, development and transformation. It is a transformer that combines the transformer body, switchgear, fuse, tap changer, low-voltage power distribution device and other corresponding auxiliary equipment, and can meet various configuration requirements of users such as electric energy metering, reactive power compensation, low-voltage shunt and so on. As an independent complete set of power transformation and distribution device with rated capacity of 30~1600kVA in AC 50Hz and 6~10kV power grid, ZGS combined transformer can be used both outdoors and indoors. It is widely used in industrial parks, urban residential areas, commercial centers, road lighting, high-rise buildings, temporary construction sites and other places. Its advantages are: environmental protection, small floor area, and convenient installation.</p>
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Product parameters	IP protection grade: IP44
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Product features	1	Small size, compact structure, small floor area and convenient installation
	2	Low loss, low noise, low temperature rise, strong load capacity beyond nameplate capacity, strong resistance to sudden short circuit
	3	Fully enclosed and insulated structure, safe and reliable operation
	4	The wiring mode is flexible, which can be used for both terminal system and ring network system, and the conversion is convenient, improving the power supply reliability
	5	Easy operation, easy maintenance, short production cycle and low project cost
	6	JB/T10217-2013 Combined Transformer
	7	DL/T1267-2013 Service Conditions of Combined Transformer

YB high-voltage/low-voltage prefabricated substation

Compact structure, strong integrity, reliable operation and convenient maintenance

Beautiful appearance, it is the preferred complete set of distribution and transformation equipment for urban and rural power grids



Model Meaning	YB		-		/	
	Combined transformer	Structure type M type P type		High-voltage side system maximum operating voltage kV		Rated capacity kVA

Product Overview	<p>Urban and rural medium-voltage power grid is composed of medium-voltage distribution network and low-voltage distribution network. The medium-voltage distribution network includes the first substation, the terminal substation, the distribution station (switching station), the distribution line and the column or ground switchgear, involving transformers, switchgear, measuring equipment, voltage and current limiting equipment, distribution lines, etc.</p>
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Product features	1	All equipment is supplied by the manufacturer in a complete set, and the user will no longer purchase it. It is responsible for completing the design, manufacture, final assembly and secondary wiring in the manufacturer. It is required to pass the type test and factory inspection test, and can be safely and smoothly transported to the user's site as a whole. It has strong integrity, small size, saving floor space, flexible location, fast and convenient installation, short power-on cycle, neat and beautiful appearance, and strong adaptability to the environment, It can coordinate with the surrounding environment.
	2	It can penetrate into the medium voltage load center, reduce the network loss and improve the power supply quality.
	3	It saves money and manpower, has less investment, has quick effect, does not need capital investment, reduces on-duty personnel, has long maintenance interval, and improves the reliability of safe operation.
	4	To meet the requirements of modern urban cable grounding project, the substation can be reused in different places after it is not used, without repeated investment.

Service conditions	1	Installation site: outdoor	7	Minimum ambient temperature:-25℃ (outdoor)	13	Relative humidity: Maximum monthly average:90%(20℃) Maximum daily average: 90%(20℃)
	2	Altitude:<1000m (high altitude products can be customized)	8	Pollution level: Class III	14	Seismic resistance: Ground horizontal acceleration 0.2g Ground vertical acceleration 0.1g
	3	Maximum ambient temperature:+40℃	9	Rain-proof grade: Class 3	15	Executive standard: GB/T17467 High/low voltage prefabricated substation
	4	Maximum monthly average temperature:+35℃	10	Maximum daily temperature difference: 25℃		
	5	Maximum annual average temperature:+20℃	11	Sunlight intensity: 0.1w/cm2 (0.5m/s)		
	6	Protection grade: IP33D、IP54	12	Inclination of installation site: no more than 3 degrees		

10kV China state-grid standard prefabricated substation

It is a new product that combines the advantages of combined transformer (American type box transformer) and HV/LV prefabricated substation (European type box transformer), and also belongs to the standardized box transformer of the China State Grid.



(Compact)

Product features	1	This product is a new product that combines the advantages of combined transformer (American box transformer) and HV/LV prefabricated substation (European box transformer).	
	2	American box transformer has the advantages of compact structure and small size.	
	3	The advantages of European box transformer are that the high-voltage protection function is comprehensive, but the disadvantages are that the floor area is too large and it is not suitable for places with compact space.	
	4	The 10kV compact prefabricated substation has the characteristics of compact structure and small size of American box transformer, as well as comprehensive high-voltage protection functions of European box transformer.	
Service conditions	Because the width of the product is only 1350 mm, it can be applied to the green belt in the middle of the urban road without affecting the normal passage of vehicles and pedestrians. Because the high voltage uses the ring-network cabinet with comprehensive protection functions, it can also be used in residential quarters, docks, stations, highways, viaducts, temporary power supply at construction sites and other places.		
Executive standards	GB/T17467	HV/LV prefabricated substation	
	GB/T6451	Technical parameters and requirements of oil-immersed power transformer	
	Customized Scheme for Standardized Design of 10kV HV/LV Prefabricated Substation (2018)		
Product advantages	1	The size of the box transformer is small and the floor area is saved. The floor area is about 1/3 of that of the European transformer. Save civil engineering costs.	
	2	High-voltage protection is comprehensive, divided into terminal type and ring network type power supply mode, with a wide range of application.	
	3	The overall box-type substation is divided into 6 functional rooms to meet the requirements of intelligent prefabricated substation.	
	4	The transformer is placed in an integrally enclosed box shell with low noise and radiation.	
	5	The overall protection level of the box transformer is high, which can be applied to places with salt fog and heavy dust.	
Product introduction		The product structure is arranged in a zigzag pattern, and the power supply mode is terminal type or ring network type. From left to right, there are high voltage room, transformer room and low voltage room. The metering room, data acquisition room and DTU room can also be added according to the needs of the smart substation in the market. The overall box substation has a total of 6 functional rooms, with compact structure and comprehensive functions. Product capacity range: 630kVA and below can meet the size requirements of 2650 * 1350 * 2100mm (length * width * height) , and 630kVA and above can be adjusted according to the actual situation.	
			

10kV China state-grid standard prefabricated substation

According to the strategic requirements of "1135" distribution network operation service management of State Grid Corporation of China, improve the equipment selection standard, improve the quality control system, improve the durability of distribution network equipment, highlight the core of good equipment, and comprehensively promote the standardization of distribution equipment based on the principles of safety, reliability, durability, uniform standards, and universal interchangeability.



(Non-metallic model)

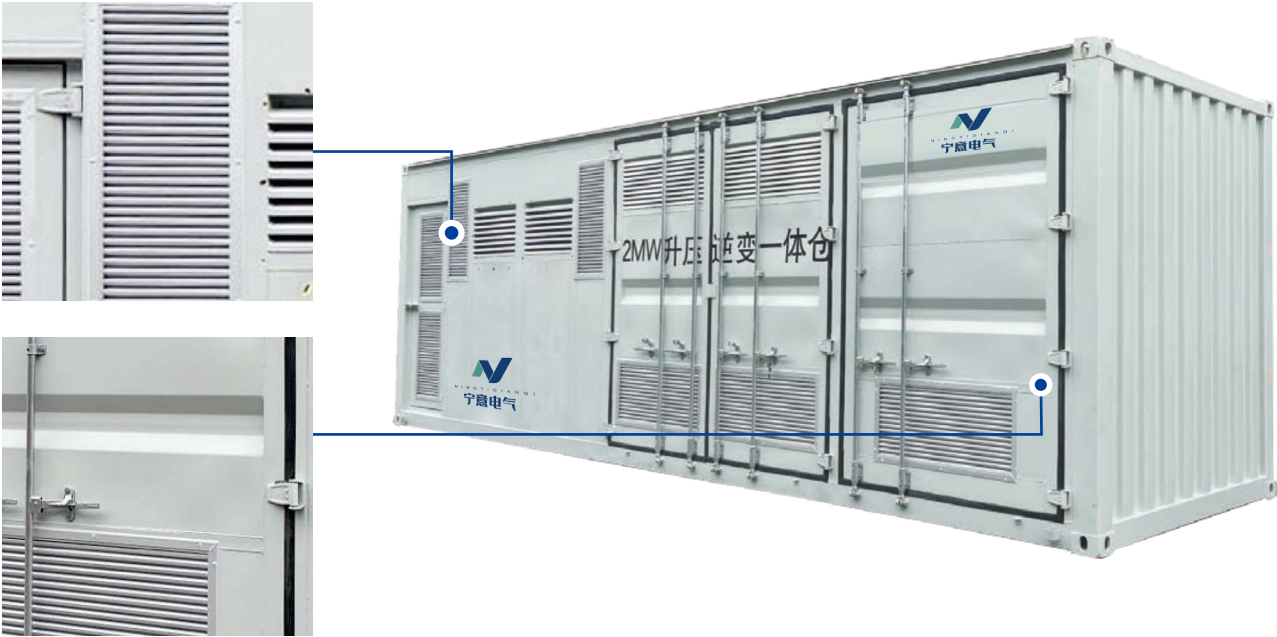
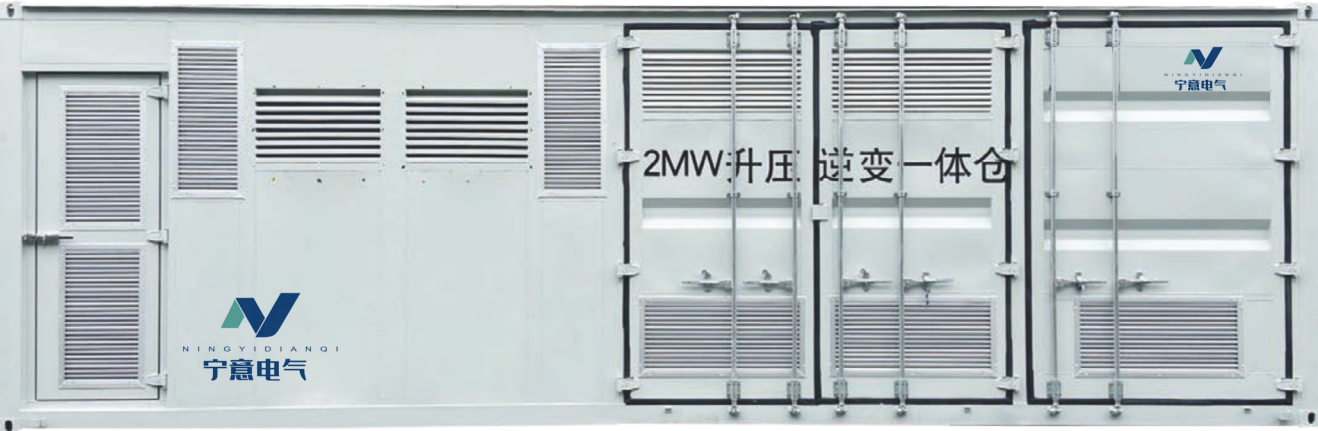


(Metal model)

Product features	1	Meet the requirements of the design specification for the standardized design customization scheme (2018 version) of the 10kV high-voltage/low-voltage prefabricated substation, produce the prototype of the substation, pass the test of the national authority, and record in the Chinese Academy of Electrical Sciences.	
	2	The characteristics of the box material are divided into metal type and non-metallic type.	
	3	The dimension of box transformer is characterized by the unity of external and internal structural dimensions.	
Service conditions	Due to the uniform size and strong interchangeability of the products, the cost of civil engineering construction has been greatly reduced. Because the high voltage uses the ring-network cabinet with comprehensive protection functions, it can also be used in residential areas, docks, stations, highways, viaducts, land temporary electricity and other places.		
Executive standards	GB/T17467	HV/LV prefabricated substation	
	GB/T6451	Technical Parameters and Requirements for Oil-immersed Power Transformers	
	Customized Scheme for Standardized Design of 10kV HV/LV Prefabricated Substation (2018)		
Product advantage	1	The box-type transformer is small in size, saving floor space and civil engineering costs.	
	2	High-voltage protection is comprehensive, divided into terminal type and ring network type power supply mode, with a wide range of application.	
	3	The overall box-type substation is divided into 6 functional rooms to meet the requirements of intelligent prefabricated substation.	
	4	The transformer is placed in an integrally enclosed box shell with low noise and radiation.	
	5	The overall protection level of the box transformer is high, and it can be used in places with salt fog and heavy dust.	
Product introduction	The product structure is arranged in a zigzag pattern, and the power supply mode is terminal type or ring network type. From left to right, there are high voltage room, transformer room and low voltage room. The metering room, data acquisition room and DTU room can also be added according to the needs of the smart substation in the market. The overall box substation has a total of 6 functional rooms, with compact structure and comprehensive functions.		
	Product capacity range: The capacity of 630kVA and below can meet the size requirements of 3650 * 2200 * 2500mm (length * width * height) , and the capacity of products above 630kVA can be adjusted according to the actual situation. Scope of application: applicable to residential quarters, docks, stations, highways, viaducts, temporary power supply at construction sites and other places		

Inverter and step-up integrated box-type substation

Effectively solve the contradiction between power supply, land and environment



Product overview

The integrated box-type substation of inverter and voltage boost belongs to the field of substation, which is used to solve the defects of large construction volume and large power consumption caused by the use of two sets of equipment for DC inverter and AC voltage boost in the photovoltaic power generation system. The integrated box-type transformer substation for inverter and step-up includes low voltage part, high voltage part and transformer part, which is characterized in that the low voltage part and high voltage part are arranged in front and back, and the transformer part is located on the left or right side of the low voltage part and high voltage part; In the low-voltage part, the DC power generated by the photovoltaic power generation system is collected and converted into AC power; The transformation part converts low voltage AC into high voltage AC; For the high-voltage part, the high-voltage alternating current shall be protected and measured. The integrated box-type transformer substation is used to invert and boost the electric energy generated by photovoltaic modules into stable and available electric energy.

Prefabricated cabin substation

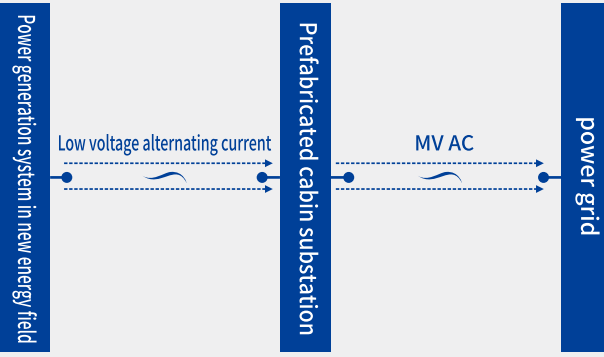
Flexible substation location and high factory integration





Low comprehensive cost



Product overview

The main function of the prefabricated cabin substation is to convert the low-voltage AC generated by the power generation system in the new energy field into medium-voltage AC, and feed the electric energy into the grid. The prefabricated cabin substation integrates low-voltage cabinet, transformer, ring-network cabinet, auxiliary power supply and other equipment into a steel structure container, providing a highly integrated power transformation and distribution solution for the medium-voltage grid connection scenario of ground power stations.



Product features	 Intelligent	1. Real-time detection of the working status of low-voltage cabinet, transformer and ring-network cabinet 2. Online detection of power parameters, current and voltage detection accuracy up to 0.5 level 3. Support the remote control of the main circuit breaker of the low-voltage cabinet and the ring-network cabinet, and the remote inquiry of the operation information of the box-type substation
	 simple	1. Internal equipment has been prefabricated and installed 2. Compact 20ft container structure, suitable for various transportation conditions, easy to install
	 reliable	1. The structural design is firm and reliable 2. The protection grade of low voltage room and medium voltage room is IP54
	 rapid deployment	1. Enable rapid deployment 2. Only low-voltage incoming line and medium-voltage outgoing line need to be completed on site

IN PRODUCTION



宁意电气 Oil-immersed distribution transformer



宁意电气 35kV power transformer



宁意电气 Dry transformer



宁意电气 35kV dry-type power transformer



宁意电气 ZGS type combined transformer



宁意电气 YB high-voltage/low-voltage prefabricated substation



宁意电气 Special box transformer for new energy power generation



宁意电气 Special box transformer for new energy power generation



宁意电气 Inverter and step-up integrated box-type substation



宁意电气 Multi-branch converter and booster integrated machine



宁意电气 Energy storage converter and booster all-in-one machine



宁意电气 Prefabricated cabin substation



» PARTNERS

