International Quality Service Global





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HUACHEN
Huachen Transformer

Transformer Manufacturing **Experter**

Jiangsu Huachen Transformer Co.,ltd.



HUABIAN
Hua Chen registered trademark

Company Profile

Jiangsu Huachen Transformer Co., Ltd is an advanced power transformer manufacture,located in Xuzhou City, Jiangsu Province in China.With over 100,000 sq occupation area and new-modern & large-scale workshops.We have passed ISO9001-2008 quality certifications and our products have been granted by PCCC , CQC and IEC-60076 certificates.Especially in recent years, Huachen has expanded into a leading company in Chinese electrical industry.
With decades of experience,Huachen has made a special name for itself in the field of electrical industry with superior technology backed by 30 senior engineers and 80 expert technocrats,what's more,over 600 employees.

Brand transfer
Huachen Transformer

We always adhere to the philosophy "Integrity Forms Quality And Quality Forms Prestige",keep serving top class quality, excellent efficiency and unmatched after sales service.We promise your every requirement will be treated seriously and your suggestion will be warmly respected.

In order to provide good service and meet with demand from customers,Huachen insistently introduce latest mechanical tooling equipment,absorb modern management principle and strict quality control system.We pay great attentions to inspection and testing of products in each production stage to make sure customers' satisfaction.

Now,Huachen has already been one of the best distribution transformer suppliers in China.And becoming the representative of China in distribution transformer area.
Huachen is Chinese transformer and Chinese transformer named Huachen.

Company Production Base

HUACHEN
Transformer integrated solution











Workshop Equipment





Cores











It is core type, manufactured from silicon alloy sheet steels with directed crystalline orientation and having thicknesses of 0.30mm,0.27mm and 0.23mm.The sheet steel cut to mitered form of 45 degree angle at the section where the magnetic flux passes are silted into intended shape and stacked with CNC slitting machine and packed to form a magnetic circuit. Cutting and packing operations fro magnetic circuit are handled with a method known as step-lap which reduces iron losses to a minimum .The core is packed by applying step-lap method both crosswise and lengthwise.

The cross section of leg and connection cap pieces arethe same and multistepped and theoretically it is assumed to be round section.

Production Management



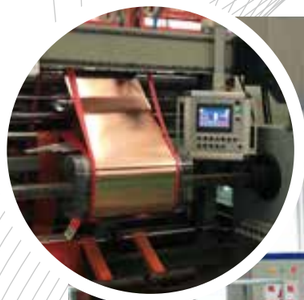






Scientific management in details!
Perfect quality in production!

Winding







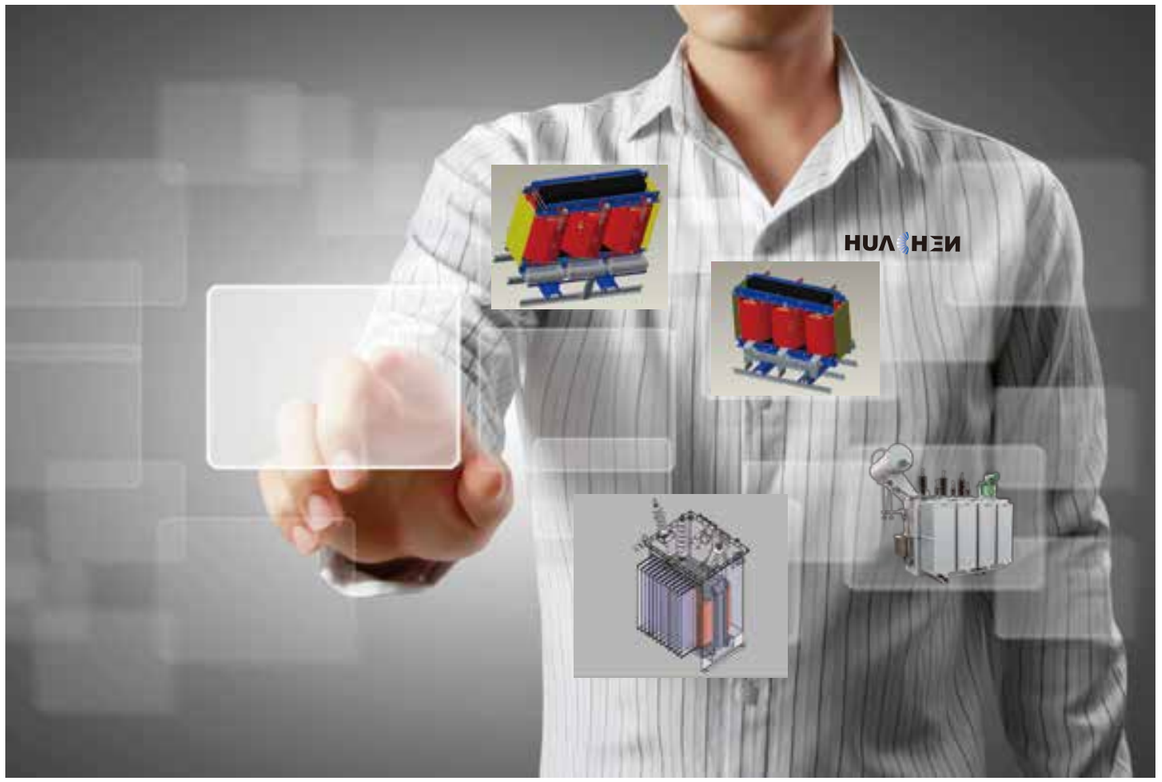




Round or flat electrolytic copper or aluminum conductors with resin or paper insulation are used in the distribution transformers windings as conduction material.

According to the design specification, the winding configuration could be disc winding or layer winding in power transformers. In order ro facilitate the production of layer windings and eliminate the gaps on contact surfaced of windings, horizontally and vertically operating winding machines having press-like systems are used.

R & D Ability



With more than 50 professioal technicians whom use the most modern and technologically sophisticated tools to design and customize the transformers we manufacture, including:

3-D Modeling , Pro/Engineer, CAD Tools and SolidWork
– We use the latest and most advanced tools on the market to design our products.
Proprietary Software – Our custom software allows designers to input all the necessary data, and the system outputs an accurate design with specs and cost. This technology allows for the industry's fastest turnaround times on quotes.



Quality Assurance

HUA HEN
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We consistently achieve the highest level of quality in our products, services, and processes. Our transformers have had a failure rate of less than 0.1% throughout our history, and we've been awarded "Best-In-Class in Quality" by one of the world's largest electrical equipment manufacturers. Our commitment to quality is the cornerstone of our success, earning us the trust of some of the world's largest corporations, governments, and electrical equipment OEMs.

Quality Controls
We have numerous control points and built-in redundancies in our design and manufacturing processes to ensure consistency and quality every step of the way.

Computer-Controlled Processes
We use the most modern, computer-controlled manufacturing processes, greatly decreasing the likelihood of human error.

Third-Party Certifications
We have met the following third-party and related standards:
ISO 9001
ISO 14001
OSHA 18000



Test Platform







Power Transformer

High Voltage Transformer (35-66kV)

Application: Suitable for power plant, Substation ,large –scale industrial etc.

Standards: IEC 60076-1,IEC 60076-2, IEC 60076-3,ANSI,IEEE,AS,etc.

Features:

1.high security and reliability in operation .
2. Economic and efficient to reduce network loss and operation cost.
3.High short circuit strength and insulating strength .
4.Compact design, Low-noise and light in weight.
5..Customized transformer are available on your requirement .
6. Competitive short delivery time



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Special Transformer

Inverter/Converter Duty Transformer(35-66kV)

Application: Suitable for Solar, wind etc. Applying the DC current required for electrolysis after rectification, applied to Low metal smelting required for various metals such as aluminum, magnesium, copper, zinc and silicon

Standards: IEC 60076-1,IEC 60076-2, IEC 60076-3,ANSI,IEEE,AS,etc.

Features:

1.Adopting a series of major reforms in materials, processes and structures,
2.Small volume, light weight, low loss and strong short circuit resistance.
3.High load capacity and reliable operation.
4. Economic and efficient to reduce network loss and operation cost.
5.Customized transformer are available on your requirement .



Furnace Transformers (35-66kV)

Application: Suitable for converting the voltage of the power system to the low required for the smelting furnace.Voltage, high current, used to smelt steel, calcium carbide, phosphorus, and Crystalline silicon, ferroalloy, etc.

Standards: IEC 60076-1,IEC 60076-2, IEC 60076-3,ANSI,IEEE,AS,etc.

Features:

1.High security and reliability in operation .
2. Economic and efficient to reduce network loss and operation cost.
3.Afer sales maintenance and spare parts services.
4.Compact design, Low-noise and light in weight.
5..Customized transformer are available on your requirement .
6. Modern manufacturing techniques ensuring quality of products.









Distribution Transformers

S11 -50-3150/35 Double Winding Non-excitation Voltage Regulating Distribution Transformer

Application : Industrial and agricultural electric power and lighting use and direct-fit transformer that is supplied directly from the 35kV grid.
Type of device: outdoor
Standards: complies with GB1094.1 ,GB1094.2, GB1094.3,GB1094.5,GB/T6451

Features:

1.Ambient temperature: upper limit +40 ° C, lower limit -25 ° C
2.nstallation site: no corrosive gas, no obvious dirt, etc.
3.Compact design, Low-noise and light in weight.
4.Customized transformer are available on your requirement



S11-(M)30~3150/10 Three - Phase Oil-immersed Full Seal Without Excitation Voltage Transformers

Type of device: outdoor
Ambient temperature: upper limit +40 ° C, lower limit -25 ° C
Relative humidity of air: ≤90% (+25°C)
Installation site: no corrosive gas, no obvious dirt, etc.
Area. For industrial and agricultural distribution power and lighting use.
Standards:IEC.60076-1,IEC 60076-2, IEC 60076-3, ANSI,IEEE,AS,etc.

Features:

1.Low loss, low noise .
2.High efficiency ,energy-saving and reduce pollution.
3.Transformer is isolated from air t prevent and slow down oil degrading and insulation agng,enhance operational reliability ,with normal operation and no maintenance.





SC(B) 10 dry-type transformer



Application: commercial buildings, high-rise buildings, airports, industrial and mining
Important for enterprises, power plants, oil platforms, subways and tunnels
And places with special fire protection requirements, and switch cabinets
Box-type substation.
Standard: IEC 60076-11 "Dry Power Transformers"
GB 1094.11 "Dry Power Transformer"
GB/T 10228 "Dry power transformer technical parameters and requirements

SBH15M~50~2500/10 Sealed amorphous alloy power transformer

The transformer core is rolled with amorphous alloy strip, and the no-load loss is reduced by about 70% compared with the S9 type transformer.
Transformer low voltage uses copper foil coil to enhance transformer load
The ability to short circuit.Connection group adopts Dyn11 to reduce the influence of harmonics on the grid Sound, improve the quality of power supply.
The transformer is vacuum-filled to completely eliminate air bubbles in the coil.
Ensure that the insulation performance is stable.
Standard: GB1094.1,GB1094.3,GB1094.5 JB-T 10318

Features:

1.Reasonable, electrical strength, mechanical strength, heat dissipation capability of the product.
2.Absorb advanced technology, new materials, optimized design, and more products.
3.Compact design, Low-noise and light in weight.
4.Customized transformer are available on your require-ment





SC(B)15 Dry-type Amorphous alloy power transformer

Application: High floor building, commercial center, airport, oil platform, subway,Tunnels, airports, stations, industrial and mining enterprises and power plants. Particular installation in places with high fire resistance requirements such as flam-mable and explosive.
This product has a capacity of 200kVA and above and is a copper foil wound coil.High-voltage coil is wound with 180°C high-strength enameled wire, using epoxy .Resin cast structure with excellent moisture and crack resistance.
The core is rolled from an amorphous alloy strip and has a rectangular cross section.
Three-frame three-column structure.
Standard: GB1094.1,GB1094.3,GB1094.5 JB-T 10318
Features: Has low no-load loss, no oil, flame retardant self-extinguishing, and resistant. The advantages of moisture, crack resistance and maintenance-free



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SG(B)10 series non-encapsulated coil

Application: Airports, power plants, metallurgical industries, hospitals, high Floors, shopping centers, residential areas, and petrochemicals, Nuclear power plants, nuclear submarines and other special environments.

Standard:
IEC 60076-11 "Dry Power Transformers"
GB 1094.11 "Dry Power Transformer"
GB/T 10228 "Technical parameters and requirements for dry power transformers"



Reactor

Application: substations, power plants, connected in parallel in the power system Medium, mainly used to compensate capacitor current, reduce transmission loss and Suppresses boosting at light loads and capacitive operation of the generator,High system stability and protection against abnormal voltage generation.

Adopting a series of major reforms in materials, processes and structures,
Small size, light weight, low loss, low noise, vibration Small, high excitation performance, reliable operation and so on.

Standard: GB / T1094 . 6IEC60076-6





YB prefabricated substation

Compact structure, complete set, reliable operation, convenient maintenance, beautiful appearance
Is urban and rural power grid is the first choice for substation equipment

Features:

The products are the series products self-designed by the Company based on ZGS combined transformers to meet the needs of urban and rural power grid construction. With a small size, compact structure, and short-term of on-site installation and commissioning, it can replace the traditional substation (station). It can also meet configuration requirements of various programs such as the user power metering, reactive power compensation, high and low voltage, representing the development direction of small and medium-sized substations (stations).
This product is suitable for industrial and mining enterprises, station, wharf, airports, public places, high-rise buildings and 10kv, 50Hz, 30~1600kVA power users in residential areas, applying for not only power supply network but also for terminal.



ZGS combined substation

Reliable power supply, reasonable structure, easy operation, economical and practical, beautiful and generous
Specifically for the urban design and manufacturing

Features:

Small in size, compact structure, small occupation of space, easy installation.
Low loss, noise and temperature rise; super nameplate capacity and high load bearing; high resistance of sudden short-circuit capacity.
Full enclosed and insulated structure, stable and reliable operation.
Flexible wiring with easy conversion, which could be both connected to the terminal system and looped network system; more chance of power supply.
Easy operation and maintenance; short-term production phase; low construction costs.

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Compliance with certification

Our Products Have Won Many Authoritative
Certifications At Home And Abroad

Our Cerificates



CQC certificated with
Energy-saving Certificate

National center for quality
supervision and test report

Parts of Patents

