Isolation Transformer
Product Catalog

HENAN NEW ELECTRIC POWER CO., LTD.

Add No. 21 Jinshui East Road,(Zhengdong)Zhengzhou Area,Henan PilotFree Trade Zone,Henan Province, ChinaPuyang city, Henan province China.

Contact : Amy

Tel:+8615538350115

Email: Newelectricpower8 @aliyun.com

WhatsApp: +8615538350115

TNPi

TRANSFORMER EXPERT

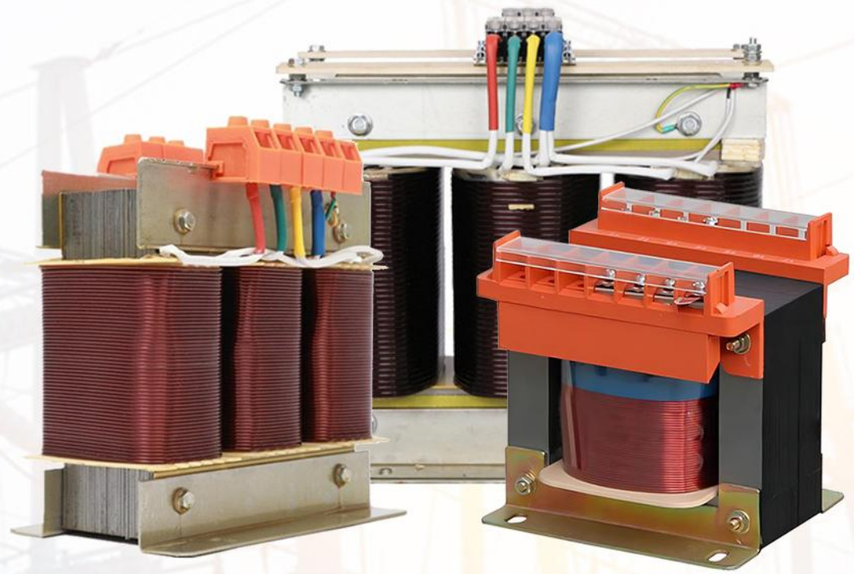
EXCELLENT QUALITY TRUST WORTHY

Company Introduction

ABOUT US

Henan New Power Electric Co., Ltd. is a comprehensive enterprise integrating product research and development, product sales, and import and export services. It has more than 45 years of research and development experience. The company has a modern workshop of more than 120,000 square meters, a research and development center, and a staff apartment of more than 30,000 square meters. The production equipment is perfect, the testing method is perfect, the technical force is strong, and the qualification is complete. We can provide high, medium and low voltage transformers with voltages of 110KV and below and capacities of 120,000 kVA and below for various purposes, as well as tap changers, gas relays, oil level gauges, moisture absorbers, valves, thermome

QUALITY FIRST QUALITY WINS



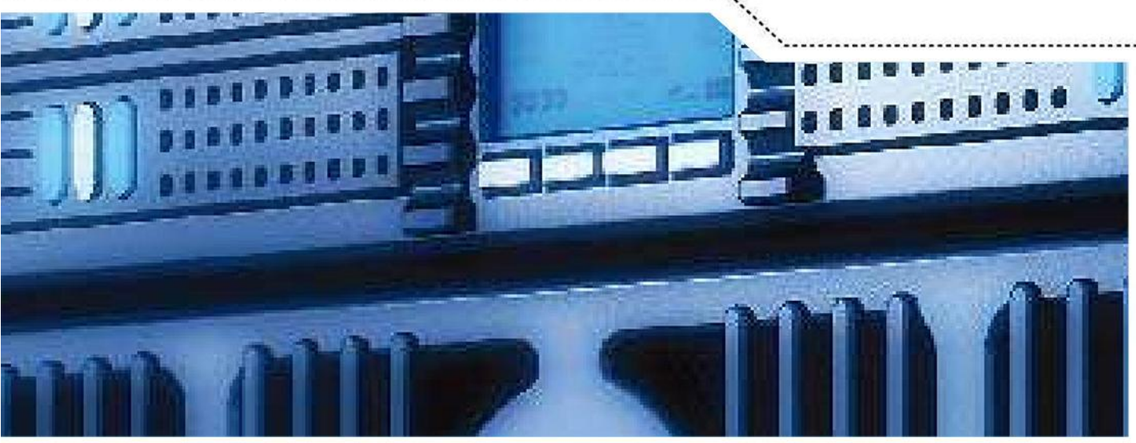
Enterprising Spirit Win-win Concept

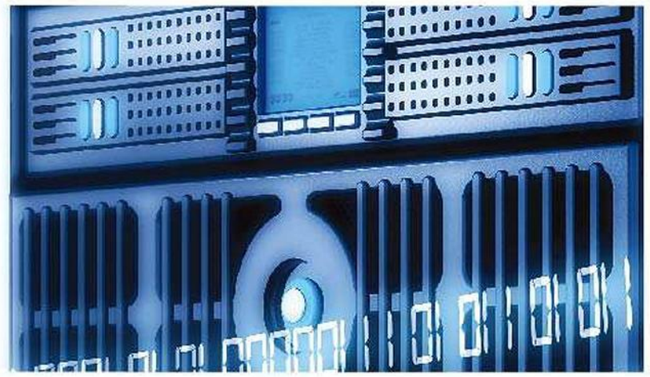
COOPERATION UNITY DEVELOPMENT EXCHANGE TOGETHER WINS

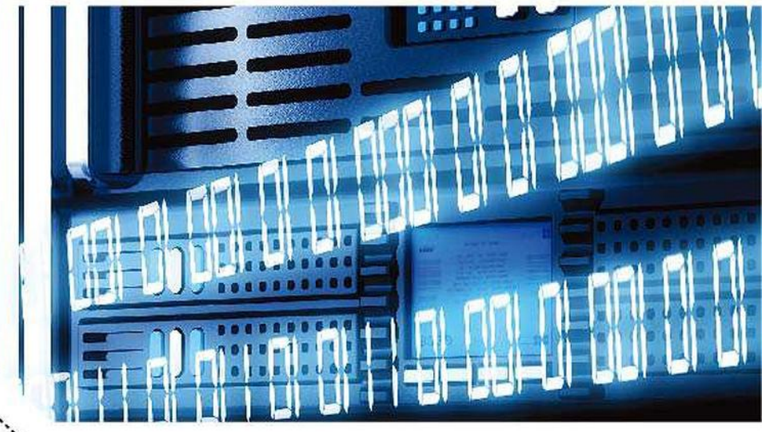
Henan New Electric Power Co., Ltd.

Our Certificate

Factory environment





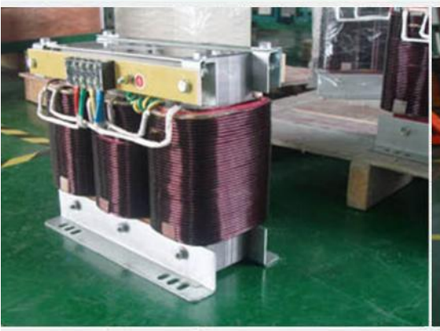


The corner of the warehouse







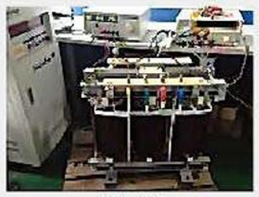






Advanced equipment + testing procedures





Voltage test

Ground resistance

DC Resistance

Short circuit resistance

Output resistance

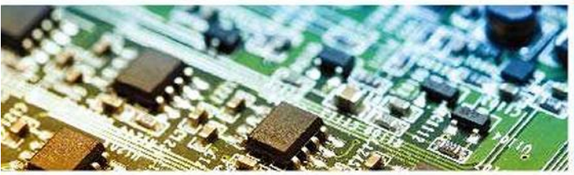
Pressure test

No-load characteristics

Ratio test

Load test

Temperature rise test



CONTENTS

Single Phase Transformer

Three Phase Transformer

Stabilizer

Regulator

Reactor

Size Reference

TNPi
TRANSFORMER EXPERT

BK/LBK/DBK/DK PRODUCT SERIES

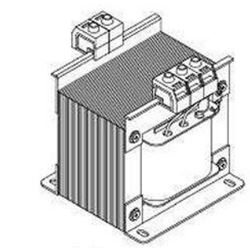
1. PRODUCT OVERVIEW

BK, DBK and other high-quality series control transformers are based on domestic BK, LLBK, LTBK and other series control transformers. After years of further absorbing the advantages of similar products at home and abroad, they are manufactured with advanced technology and rigorous design, and foreign advanced methods are selected. The terminal block has the characteristics of excellent performance, reliable operation, low energy consumption, small size, safe wiring, and wide applicability. It is an ideal transformer power supply. BK, LLBK, LTBK and other series control transformers are suitable for 50-60Hz AC circuit with rated power supply voltage not exceeding 1000V, as control power supply for machine tools and mechanical equipment, working lighting and signal lamp power supply; also as a small power supply.

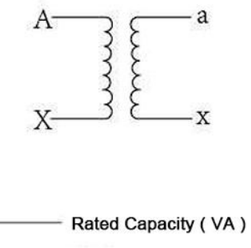
2. CITATION STANDARD

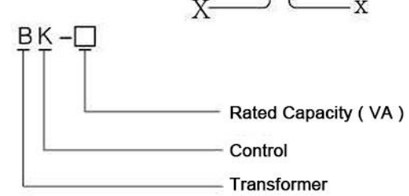
JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

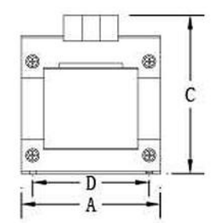
3. SCHEMATIC DIAGRAM



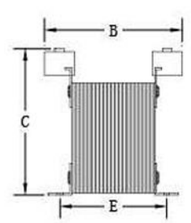
Dimensions: A*B*C
Installation size: D*E



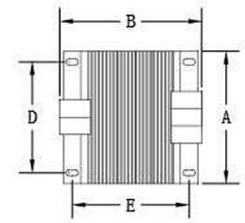




Front view



Side view



Top view

4. REFERENCE SIZE

Transformer model	Dimensions (A×B×C)	Installation size (D×E)	Package dimensions (cm)	Weight (KG)
BK-25VA	78x78x95	56x51	9x5	1
BK-50VA	84x84x100	64x57	9x5	1.5
BK-100VA	96x96x110	84x67	9x5	2.5
BK-150VA	105x100x118	75x75	9x5	3.5
BK-200VA	105x105x118	75x80	9x5	4.5
BK-250VA	114x120x130	90x87	12x7	5
BK-300VA	114x130x130	90x95	12x7	5.5

DG SINGLE-PHASE DRY-TYPE ISOLATION TRANSFORMER

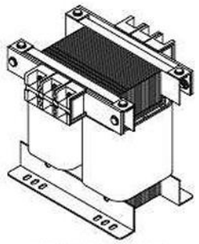
1. PRODUCT OVERVIEW

DG single-phase dry-type isolation transformer is produced by our company using high-quality materials and advanced technology for many years. It can penetrate deep into the load center; it is mainly used in various power supply places with AC 50-60HZ and voltage not exceeding 50OV; All kinds of input, output voltage, connection group, tap line group capacity allocation, can be carefully designed and manufactured according to the user's requirements; it has the advantages of fire prevention, moisture resistance, safety and reliability, energy saving and convenient maintenance. Widely used in machine tool matching, subway, high-rise buildings, airports, stations, docks, industrial and mining enterprises and power distribution places in tunnels.

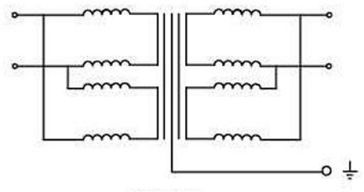
2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

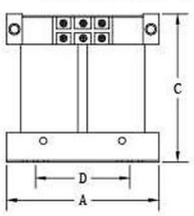
3. SCHEMATIC DIAGRAM



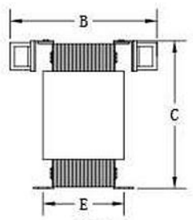
Dimensions: A*B*C
Installation size: D*E



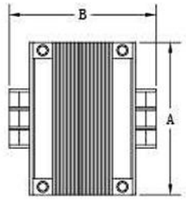
Single Phase (Dual)



Front view



Side view



Top view

4. INTRODUCTION TO THE STRUCTURE

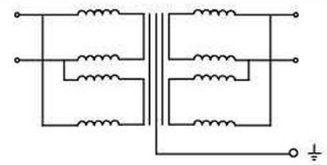
1. The transformer is divided into single-phase transformer, EI type iron core dry type.
2. The iron core is made of high-quality low-loss cold-rolled oriented silicon steel sheet. The main material is high-quality silicon steel sheet of 0.3 and 0.35 thickness H18, H14, H12, Z11. Performance design to achieve the best.
3. The coil is made of H-grade or C-grade enameled flat copper wire, which is closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the transformer are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and the iron core of the transformer, which not only greatly reduces the cost of the transformer. The noise during operation is small, and it has a very high heat resistance level, which ensures that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal blocks and Japanese TX terminals are used for low power, with beautiful appearance, excellent pressure resistance, temperature resistance and flame retardant performance. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

HDB/IT MEDICAL ISOLATION TRANSFORMER

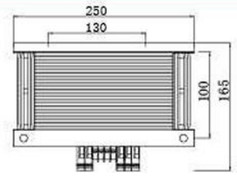
1. PRODUCT OVERVIEW

Insulating paper or insulating strips for isolation. Because the input and output currents are effectively isolated, it can suppress harmonics, which is more suitable for medical equipment and has high effective power. Since the secondary is not connected to the ground, there is no potential difference between any line of the secondary and the ground, reducing various clutter and interference. The characteristics of the isolation transformer at the output end of the AC power supply:
1. Prevent the current distortion of the nonlinear load from affecting the normal operation of the AC power supply and pollute the power grid, and play a role in purifying the power grid.
2. Sampling at the input end of the isolation transformer, so that the distortion of the nonlinear load current does not affect the accuracy of the sampling, and a control signal that can reflect the actual situation is obtained.
3. If the load is unbalanced, it will not affect the normal operation of the regulated power supply. Class 2 places in medical buildings, such as operating rooms, ICUs and CCUs, have high requirements for power reliability.
Ensure the continuity of power supply, otherwise, once the equipment that sustains the patient's life is cut off, the patient's life will be in danger. At the same time, these places must also prevent the weak leakage of the system and the load, that is, the micro-shock of the medical equipment to the patient. Therefore, in the Class 2 location of the medical building, the IT system must be used for power supply. Its capacity is optional between 3.15kVA and 10kVA.

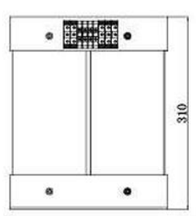
2. SCHEMATIC DIAGRAM



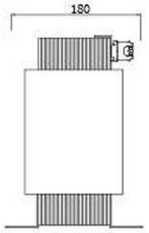
Single Phase (Dual)



Top view



Front view



Side view

3. INTRODUCTION TO THE STRUCTURE

1. The transformer is divided into single-phase transformers, all of which are E-type iron core dry type.
2. The iron core is made of high-quality low-loss cold wheel oriented silicon steel sheet, the main material is 0.3 and 0.35 thick H18, H14, H12, Z11 high-quality silicon steel sheet, we choose the most suitable material according to the customer's requirements and conditions of use to make the transformer Performance design to achieve the best.
3. The coil is made of H-grade or C-grade enameled flat copper wire, which is closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the transformer are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and the iron core of the transformer, which not only greatly reduces the cost of the transformer. The noise during operation is small, and it has a very high heat resistance level, which ensures that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal blocks and Japanese TX terminals are used for low power, with beautiful appearance, excellent pressure resistance, temperature resistance and flame retardant performance. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

TRANSFORMER EXPERT

JBK JBK1/2/3/4/5/6 SERIES MACHINE TOOL CONTROL TRANSFORMER

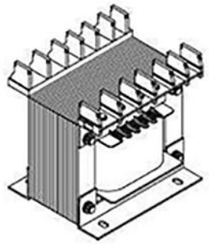
1. PRODUCT OVERVIEW

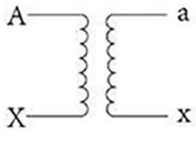
This series of machine tool control transformers is a new series of products designed and manufactured with reference to foreign advanced technology in the 1990s. The products conform to VDE0550, IEC204-1, IEC439, GB5226-85 and other relevant standards. The wiring method can be crimped or plugged. And there are terminals to prevent accidental contact protection requirements. The power frequency is 50-60Hz, and the input voltage generally does not exceed 500V. It can be widely used in the control power supply of general electrical appliances such as machine tools and mechanical equipment, as well as the power supply of local lighting and indicator lights.

2. CITATION STANDARD

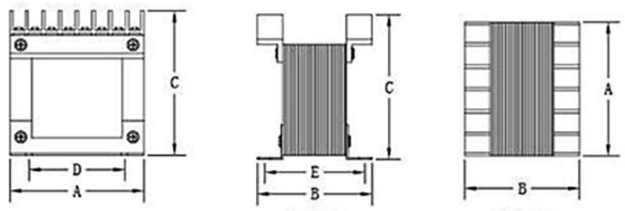
JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM





Dimensions: A*B*C
Installation size: D*E



Front view Side view Top view

4. INTRODUCTION TO THE STRUCTURE

1. The transformer is divided into single-phase transformer, EI type iron core dry type.
2. The iron core is made of high-quality low-loss cold-rolled oriented silicon steel sheet. The main material is high-quality silicon steel sheet of 0.3 and 0.35 thickness H18, H14, H12, Z11. Performance design to achieve the best.
3. The coil is made of grade H or grade C enameled copper wire. The arrangement is close and uniform, and the outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the transformer are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and the iron core of the transformer, which not only greatly reduces the cost of the transformer. The noise during operation is small, and it has a very high heat resistance level, which can ensure that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal block is used for low power. Japanese TX terminal, beautiful appearance, excellent pressure resistance, temperature resistance, flame retardant properties. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

TRANSFORMER EXPERT

BKZ SINGLE-PHASE RECTIFIER TRANSFORMER

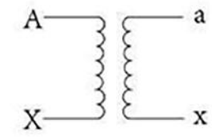
1. PRODUCT OVERVIEW

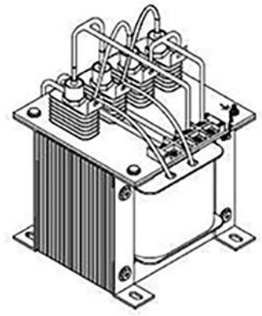
This series of rectifier transformers are assembled by BK and other transformers and rectifier components, and are based on the principle of single-phase isolation transformers. They are suitable for power supplies with primary voltage of 220V or 380V and AC 50Hz~6OHz. The output voltage is rectified by transistor rectifier components and then output. DC, and can accelerate the motor to the rated speed and artificially stop the motor. It has overload, phase failure, short circuit protection for the motor, and the autotransformer is equipped with overload protection when starting. Widely used in battery charging, electronic industry, industrial and mining enterprises, machine tools and machinery, as the control power supply of general electrical appliances in the supporting equipment of street lamps.

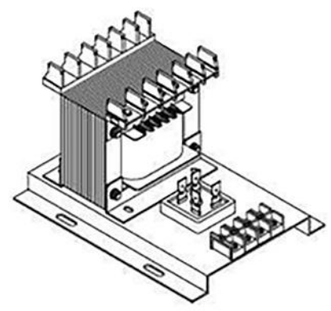
2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM







4. INTRODUCTION TO THE STRUCTURE

1. The transformer is divided into single-phase transformer. EI type iron core dry type.
2. The iron core is made of high-quality low-loss cold-rolled oriented silicon pot sheets. The main material is high-quality silicon steel sheets of 0.3 and 0.35 thickness H18, H14, H12, and Z11. Transformer performance design to achieve the best.
3. The coils are wound with class H or class C enamelled flat copper wires, which are closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. The coil and iron core of the transformer are assembled for a rest and then go through the process of pre-baking →vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and the iron core of the transformer, which not only greatly reduces the The noise during operation is small, and it has a very high heat resistance level, which ensures that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal blocks and Japanese TX terminals are used for low power, with beautiful appearance, excellent pressure resistance, temperature resistance and flame retardant performance. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

DDG LOW VOLTAGE HIGH CURRENT TRANSFORMER

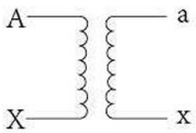
1. PRODUCT OVERVIEW

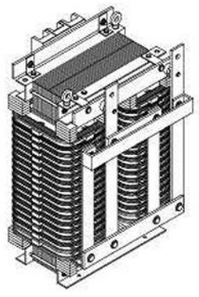
The DDG series single-phase low-voltage high-current transformers produced by our company are mainly used for current transformers, circuit breakers, contactors, thermal relays, switching lights, etc., as the power supply for temperature rise characteristics test, continuous load test and current parameter measurement test. It has the characteristics of wide applicable load, ability to withstand instantaneous overload, long-term continuous work, fireproof and moisture-proof, safety and reliability, energy saving and convenient maintenance. The input and output voltage of the product, the connection method, the adjustment of the tap position, the distribution of the winding capacity, the configuration of the secondary winding, and the outer box (selected according to different use environments) can all be carefully designed and manufactured according to the user's requirements.

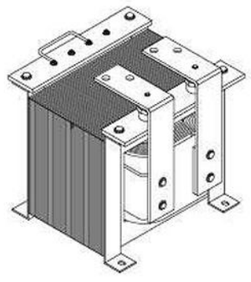
2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM







4. INTRODUCTION TO THE STRUCTURE

1. The transformer is divided into single-phase transformer, EI type iron core dry type.
2. The iron core is made of high-quality low-loss cold-rolled oriented silicon steel sheet. The main material is high-quality silicon steel sheet of 0.3 and 0.35 thickness H18, H14, H12, Z11. Performance design to achieve the best.
3. The coil is made of H-grade or C-grade enameled flat copper wire, which is closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the transformer are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level diffused paint is used to firmly combine the coil and the iron core of the transformer. The noise during operation is reduced, and it has a very high heat resistance level to ensure that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal blocks and Japanese TX terminals are used for low power, with beautiful appearance, excellent pressure resistance, temperature resistance and flame retardant performance. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

BZ HBD BUCK CONVERTER TRANSFORMER

1. PRODUCT OVERVIEW

(HBD fixed lift transformer) Fixed lift transformer is an ideal AC lift power supply. It can effectively reduce the voltage from 220V to 110V or 110V to 220V, with no waveform distortion, high efficiency, beautiful appearance, easy to use, It has the characteristics of long-term feasible operation, etc., and is suitable for the use of imported electrical appliances.

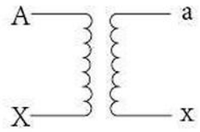
2. FEATURES

The transformer is manufactured with advanced technology and rigorous design, and has the characteristics of excellent performance, reliable operation and wide applicability; and can work for a long time under rated load, it is an ideal transformer power supply.

3. MODEL AND ITS MEANING

1. Input rated voltage: single-phase 220V or single-phase 110V
2. Working frequency: 50Hz-6OHz
3. Efficiency: ≥95%
4. Temperature rise: 5 Waveform distortion: 6 High voltage test: 2000V, no breakdown in 1 minute

4. SCHEMATIC



5. INTRODUCTION TO THE STRUCTURE

1. The transformer is divided into single-phase transformer, EI type iron core dry type.
2. The iron core is made of high-quality low-loss cold-rolled oriented silicon steel sheet. The main material is high-quality silicon steel sheet of 0.3 and 0.35 thickness H18, H14, H12, Z11. Performance design to achieve the best.
3. The coil is made of H-grade or C-grade enameled flat copper wire, which is closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the transformer are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and the iron core of the transformer, which not only greatly reduces the cost of the transformer. The noise during operation is small, and it has a very high heat resistance level, which ensures that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal blocks and Japanese TX terminals are used for low power, with beautiful appearance, good pressure resistance, temperature resistance and flame retardant performance. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

TRANSFORMER EXPERT

JMB LIGHTING TRANSFORMER SERIES

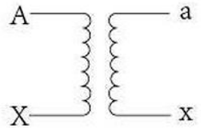
1. PRODUCT OVERVIEW

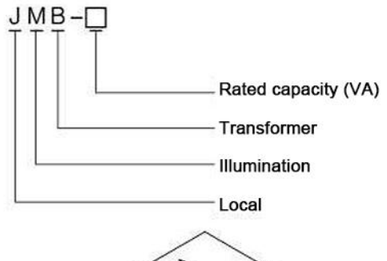
The JMB line lighting transformer designed and produced by our company is suitable for 50-60Hz AC circuit. It is a low-voltage safety lamp lighting power supply with a safety shell. It can be used as a civil 220V power supply or an industrial 38OV power supply. Input voltage: OV, 220V.380V , Output voltage: 0V, 6.3V, 12V, 24V, 36V. It is widely used in the electronic industry or industrial and mining enterprises, the control power supply of general circuits in machine tools and mechanical equipment, and is often used in street lights, bathrooms, hotels, and construction sites where safe voltage is required. Power supply for safety lighting.

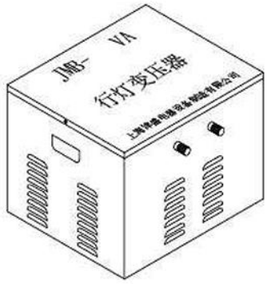
2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM







4. INTRODUCTION TO THE STRUCTURE

TRANSFORMER MODEL	DIMENSIONS (A×B×C)	WEIGHT (KG)
JMB–1000VA	210x230x180	12.5
JMB–1500VA	250x265x220	16
JMB–2000VA	250x265x220	18
JMB–2500VA	250x300x235	22
JMB–3KVA	250x300x235	27
JMB–4KVA	355x300x280	35
JMB–5KVA	355x300x280	41
JMB–6KVA	355x300x280	44
JMB–7KVA	400x320x330	50
JMB–8KVA	400x320x330	55
JMB–10KVA	400x320x330	60

TRANSFORMER EXPERT

EPS/UPS DEDICATED SINGLE-PHASE TRANSFORMER

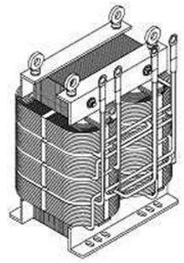
1. PRODUCT OVERVIEW

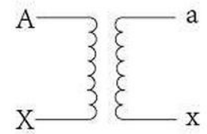
EPS, UPS is an advanced and ideal online sine wave uninterruptible power supply system specially designed for the power sector. Using high-frequency carrier technology and IGBT power devices, it can accurately control various operating parameters of EPS and UPS. The device provides high-quality, reliable AC power. It has a wide range of applications, from microbatteries and mainframe computers, communication systems to industrial equipment.

2. CITATION STANDARD

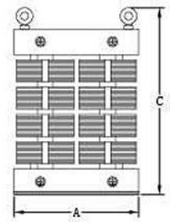
JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003

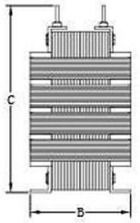
3. SCHEMATIC DIAGRAM

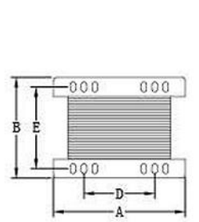




Dimensions: A*B*C
Installation size: D*E







Front view Side view Top view

4. INTRODUCTION TO STRUCTURE

1. The transformer is divided into single-phase transformer, EI type iron core dry type.
2. The iron core is made of high-quality low-loss cold-rolled oriented silicon steel sheet. The main material is high-quality silicon steel sheet of 0.3 and 0.35 thickness H18, H14, H12, Z11. Performance design to achieve the best.
3. The coils are wound with class H or class C enamelled flat copper wires, which are closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the transformer are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and iron core of the transformer, not only greatly The noise during operation is reduced, and it has a very high heat resistance level to ensure that the transformer can operate safely and noiselessly at high temperatures.
5. The fasteners of the transformer core column are made of non-magnetic materials to ensure that the transformer has a high quality factor and a low temperature rise, and ensures a better filtering effect.
6. Terminals: Taiwan Mark terminal blocks and Japanese TX terminals are used for low power, with beautiful appearance, excellent pressure resistance, temperature resistance and flame retardant performance. High-power uses high-quality copper bars.
7. Iron feet: CNC bending cold-rolled plates are mainly used, and there are environmentally friendly electroplating options such as multicolored (golden), blue zinc (silver white), white zinc (ivory white), and surface anodized (black).
8. Compared with domestic similar products, the transformer has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

TRANSFORMER EXPERT

SBK THREE-PHASE SERVO CONTROL TRANSFORMER

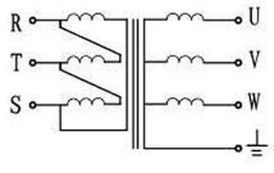
1. PRODUCT OVERVIEW

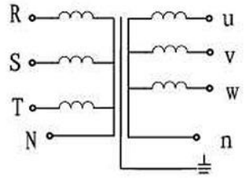
SBK servo motor transformer not only has the function of voltage transformation in the power grid, but also can isolate the third harmonic of the power grid to the equipment, protect the heat generated by the machine and reduce the life of the insulating material. Especially suitable for servo motors and imported equipment, this series of dry-type isolation transformers are widely used in AC 50 ~ 60HZ, connection mode, adjustment tap position, winding capacity distribution, secondary winding configuration, outer box (selected according to different use environments) , can be carefully designed and manufactured according to user requirements. The normal voltage is 380V/220V.20oV

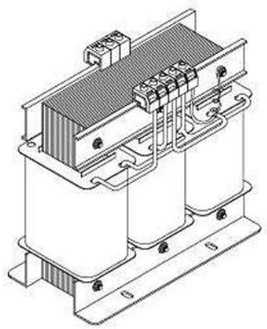
2. CITATION STANDARD

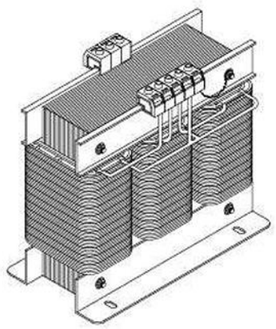
JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM









4. INTRODUCTION TO STRUCTURE

1. High-quality new cold-rolled oriented silicon steel sheets are used for stacking;
2. H-grade enameled wire, galvanized tripod, bare coil, fast fan heating, beautiful appearance, special dipping process, oven drying! Effectively reduce vibration and noise during operation; and use high temperature resistant insulating material design, etc. The introduction of new technology and new technology makes the transformer more energy-saving and quieter.
3. The energy-saving and low-noise coils have ventilation slots, so that the air flows smoothly, and the temperature of the coils can be quickly and effectively reduced.
4. The isolation transformer not only has the function of transformation in the power grid, but also isolates the third harmonic of the power grid to the equipment. The primary and secondary are shielded with copper foil, which effectively protects the interference of the power grid harmonics to the equipment. It is especially suitable for imported equipment (220V input → 380V output, 380V input → any voltage output) between 0.1KVA-16COKVA, suitable for various three-phase power supply occasions with AC 50~60HZ, input and output voltage not exceeding 10000V. The input and output voltage of the product (three-phase or multi-channel input and output, etc.), connection method, adjustment tap position, winding capacity distribution, secondary winding configuration, outer box (selected according to different use environments), can be selected according to the user's requirements. Requires careful design and manufacture.

TRANSFORMER EXPERT

SG THREE-PHASE ISOLATION TRANSFORMER

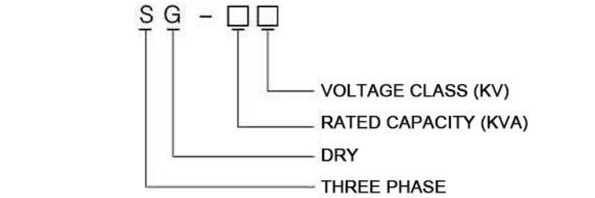
1. PRODUCT OVERVIEW

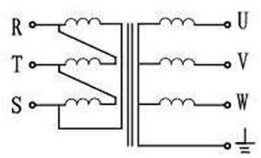
Isolation transformers are the main components of various power supplies and electrical equipment. The simplest isolation transformer is a transformer with no shielding layer between the primary and secondary, and the number of turns is 1:1. It is mainly used for electrical isolation between input and output, so as to solve the common ground problem between the two. . Sometimes also called an insulating transformer. In addition to changing the voltage, our company's isolation transformer can also electrically isolate the input winding and the output winding from each other. The primary and secondary are isolated by copper foil, filtering harmonics, and avoiding current waveform distortion and polluting the mains power grid. Simultaneous contact with live objects (or metal parts that may be live due to damaged insulation) and ground. Isolation transformer is a widely used power line interference suppression measure to solve the mutual interference between devices caused by ground loops. The output and input voltage of the isolation transformer can be designed as required, with single-phase, three-phase or multi-channel input and output, delta and star specifications, and rated power up to 1600KVA. Advanced imported winding machine and a full set of vacuum pressure dipping equipment are used; the winding adopts the method of unfinished and whole-column winding; the complete set of transformer is dipped in sections, and the 60°80°100°120° incremental baking method is used to make the insulating paint better Attached to the coil, it can reduce the working noise, loss, temperature rise of the transformer and increase the service life of the transformer.

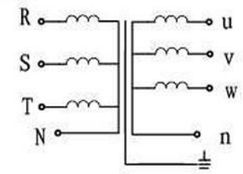
2. CITATION STANDARD

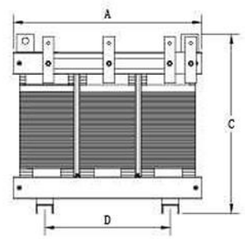
JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM

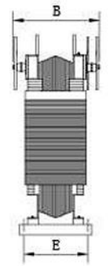




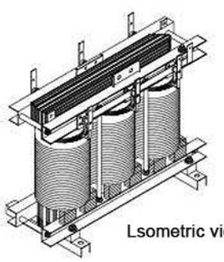




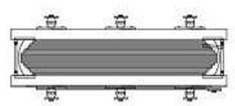
Main view



Side view



Lsometric view



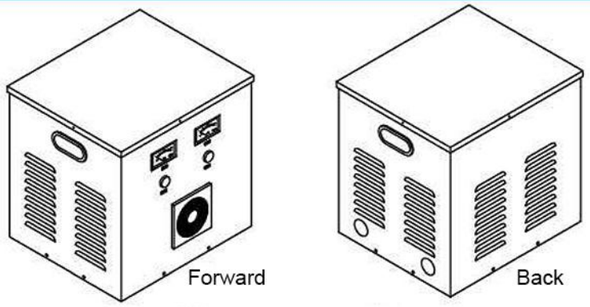
Top view

SG THREE-PHASE PROTECTION TRANSFORMER

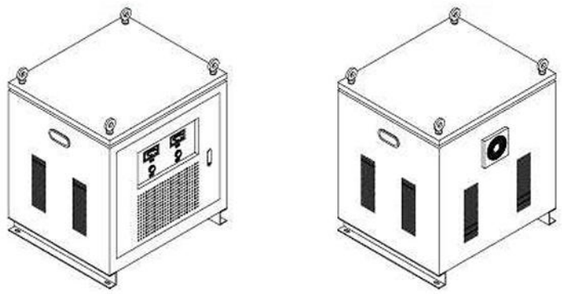
1. PRODUCT OVERVIEW

The SG protective transformer not only has the function of transformation in the power grid, but also can isolate the third harmonic of the equipment from the power grid, protect the heat generated by the machine and reduce the life of the insulating material. It is especially suitable for imported equipment. This series of dry-type isolation transformers are widely used in AC 50~60HZ. The user's requirements are carefully designed and manufactured. Our company has used high-quality materials and advanced technology for production for many years. It has the advantages of moisture resistance and convenient maintenance. It can penetrate into the load center and can be used in subways, high-rise buildings, airports, stations, docks, enterprises and tunnels and other power transmission and distribution places.
The control cabinet of the protective transformer can add various control switches (circuit breakers, contactors), detection instruments (voltmeter, ammeter, power meter) indicator lights according to the needs of users to form a complete power supply equipment. Exhaust device, temperature display, over-temperature alarm, etc. The color of the cabinet can be arbitrarily selected according to the needs of users.

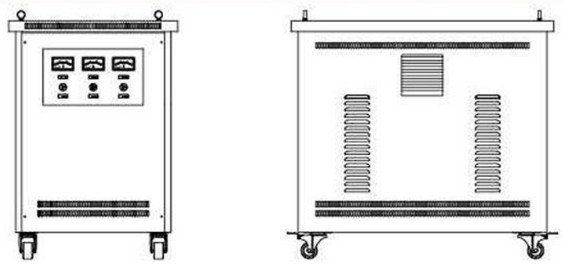
2. HORIZONTAL CHASSIS



3.VERTICAL CASE

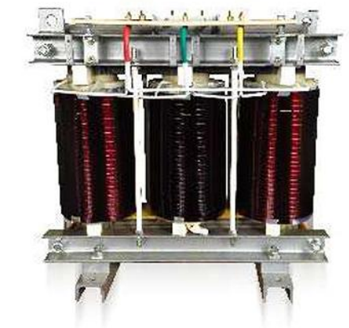


4. ROLLER CHASSIS



Main view Side view

SSG THREE-PHASE MINE EXPERIMENTAL TRANSFORMER



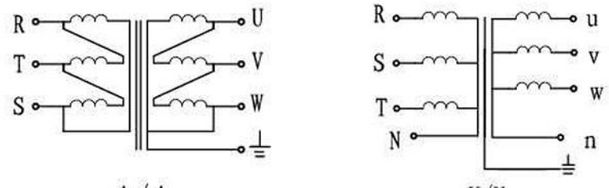
1. PRODUCT OVERVIEW

Our company adopts high-quality materials and advanced technology, and specializes in the production of SSG series three-phase step-up mining experimental transformers. This series of transformers not only have the function of voltage transformation in the power grid, but also isolate the third harmonic of the equipment from the power grid to protect the machine. The heat generated and the life of the insulating material are reduced. It is especially suitable for equipment debugging of mining manufacturers (input 380V → output is converted through connection method △ type connection 660V Y type 1140V output. Both voltages can reach the full load of the transformer, effectively improving the efficiency of the transformer) Specifications Between 1KVA and 1000KVA, it is widely used in various three-phase places where AC 50~60HZ, input and output voltage not exceeding 150OV need to test mining equipment. Can be carefully designed and manufactured according to user requirements.

2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

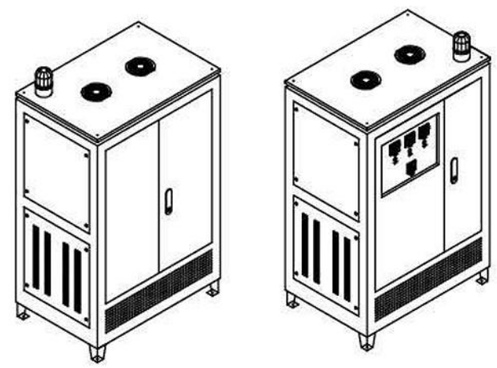
3. SCHEMATIC DIAGRAM



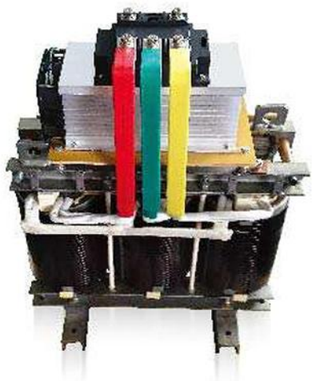
4. INTRODUCTION TO THE STRUCTURE

The structure of the transformer;
1. Magnetic materials: Gongxu transformers use silicon steel sheets, and high-frequency transformers use magnetic cores.
2. Conductive materials: enameled wire, copper foil, copper screws, terminal lugs, etc.
3. Insulating materials: skeleton, electrical board, insulating paper, insulating board, plastic sleeve, terminal block, etc.
4. Fixing materials: tripod/channel steel, clamping screw, pull rod, etc.

5. FLOOR CABINET



ZSG THREE-PHASE DRY-TYPE RECTIFIER TRANSFORMER



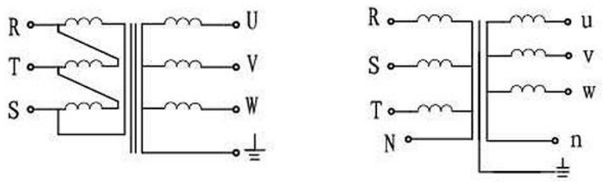
1. PRODUCT OVERVIEW

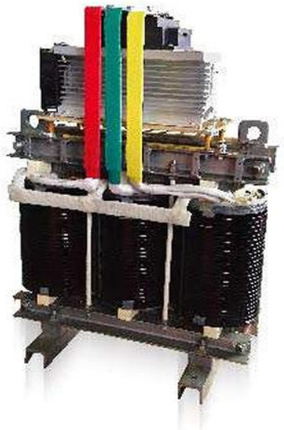
The rectifier transformer is the power transformer of the rectifier equipment. The characteristic of the rectifier device is that the primary side inputs AC, and the secondary side outputs DC after passing through the rectifying element. Variable current is a general term for three working modes of rectification, countercurrent and frequency conversion, and rectification is the most widely used one. A transformer used as a power source for a rectifier device is called a rectifier transformer. Most of the industrial rectified DC power supplies are obtained from the AC power grid through rectifier transformers and rectifier equipment.

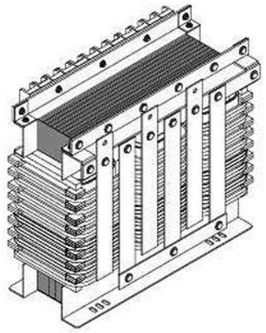
2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM







4. INTRODUCTION TO STRUCTURE

The structure of the transformer:
1. Magnetically conductive material: power frequency transformers use silicon steel sheets, and high-frequency transformers use magnetic cores.
2. Conductive materials: enameled wire, copper foil, copper screws, terminal lugs, etc.
3. Insulating materials: skeleton, electrical board, insulating paper, insulating board, plastic sleeve, terminal block, etc.
4. Fixing materials: tripod/channel steel, clamping screw, pull rod, etc.

EPS/UPS SERIES SPECIAL THREE-PHASE TRANSFORMER

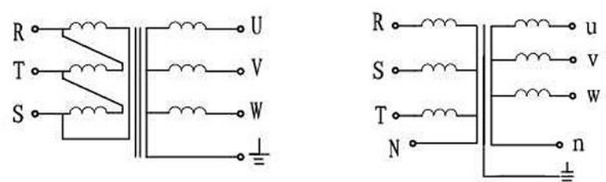
1. PRODUCT OVERVIEW

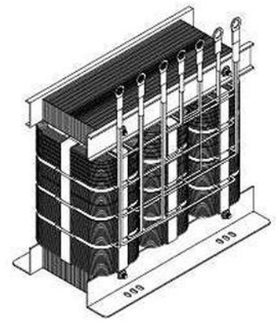
EPS, UPS is an advanced and ideal online sine wave uninterruptible power supply system specially designed for the power sector. Using high-frequency carrier technology and IGBT power devices, it can accurately control various operating parameters of EPS and UPS. The device provides high-quality, reliable AC power. It has a wide range of applications, from microbatteries and mainframe computers, communication systems to industrial equipment.

2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM





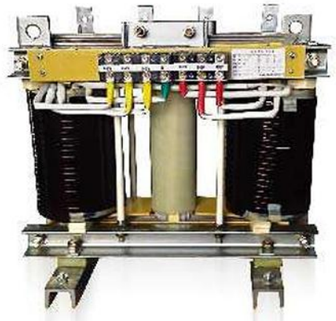
4. INTRODUCTION TO STRUCTURE

1. High-quality new cold-rolled oriented silicon steel sheets are used for stacking;
2. H-grade enameled wire, galvanized tripod, bare coil, fast fan heating, beautiful appearance, special dipping process, oven drying! Effectively reduce vibration and noise during operation; and use high temperature resistant insulating material design, etc. The introduction of new technology and new technology makes the transformer more energy-saving and quieter.
3. The energy-saving and low-noise coils have ventilation slots, and the air flows smoothly, which can quickly and effectively reduce the temperature of the coils.
4. The isolation transformer not only has the function of transformation in the power grid, but also isolates the third harmonic of the power grid to the equipment. The primary and secondary are shielded with copper foil, which effectively protects the interference of the power grid harmonics to the equipment. It is especially suitable for imported equipment (220V input → 380V output, 380V input → any voltage output) between 0.1KVA-1600KVA, suitable for various three-phase power supply occasions with AC 50~60HZ, input and output voltage not exceeding 10000V. The input and output voltage of the product (three-phase or multi-channel input and output, etc.), connection method, adjustment tap position, winding capacity distribution, secondary winding configuration, outer box (selected according to different use environments), can be selected according to the user's requirements. Requires careful design and manufacture.

SBDG THREE-PHASE TO SINGLE-PHASE TRANSFORMER

1. PRODUCT OVERVIEW

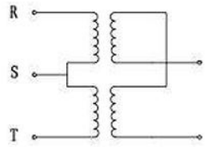
A three-phase-to-single-phase transformer is a transformer that converts a three-phase input into a single-phase output. The maximum input current of one phase of the transformer is 2 times of the current of one of the other phases. It can reduce the single-phase 220V load current by 40%; the single-phase 38OV load current has the same maximum one-phase current, while the other two phases are 50% of the maximum one-phase current. It costs more than an isolation transformer. It is widely used in industrial and mining enterprises with specific loads to solve the problem of serious imbalance of three-phase current. Three-phase to single-phase transformer This series of products is suitable for AC 50/60Hz working voltage below 60OV. The insulation and heat resistance level of this series of transformers is F. The core of the three-phase-to-single-phase transformer is made of cold-rolled oriented high-quality silicon steel sheets stacked, and the coil structure is cylindrical, elliptical and rectangular. Small size, excellent performance, safe and reliable.

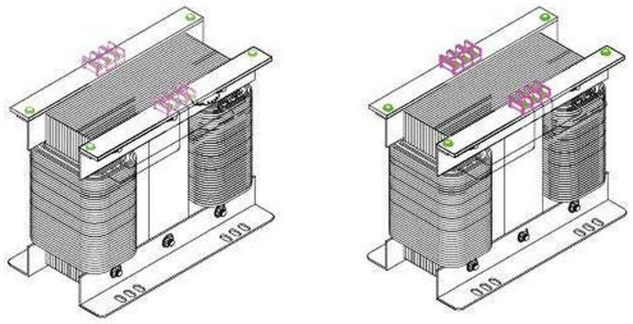


2. CITATION STANDARD

JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM





4. INTRODUCTION TO STRUCTURE

1. High-quality new cold-rolled oriented silicon steel sheets are used for stacking;
2. H-grade enameled wire, galvanized tripod, bare coil, fast fan heating, beautiful appearance, special dipping process, oven drying! Effectively reduce vibration and noise during operation; and use high temperature resistant insulating material design, etc. The introduction of new technology and new technology makes the transformer more energy-saving and quieter.
3. The energy-saving and low-noise coils have ventilation slots, so that the air flows smoothly, and the temperature of the coils can be quickly and effectively reduced.
4. The isolation transformer not only has the function of transformation in the power grid, but also isolates the third harmonic of the power grid to the equipment. The primary and secondary are shielded with copper foil, which effectively protects the interference of the power grid harmonics to the equipment. It is especially suitable for imported equipment (220V input → 380V output, 380V input → any voltage output) between 0.1KVA-1600KVA, suitable for various three-phase power supply occasions with AC 50~60HZ, input and output voltage not exceeding 10000V. The input and output voltage of the product (three-phase or multi-channel input and output, etc.), connection method, adjustment tap position, winding capacity distribution, secondary winding configuration, outer box (selected according to different use environments), can be selected according to the user's requirements. Requires careful design and manufacture.

QZB THREE-PHASE AUTOTRANSFORMER

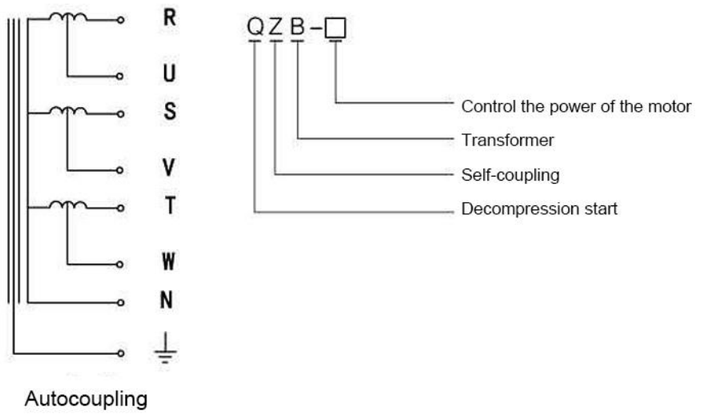
1. PRODUCT OVERVIEW

The QZB transformer model determines the infrequent step-down starting of the three-phase squirrel-cage induction motor with a power of 14KW-300KW to improve the influence of the motor on the transmission network when starting torque, and can adjust the starting current and torque. Mostly used for long-term work starter. Only works for a short time when the motor starts. 1 hour continuous start time does not exceed 120S.

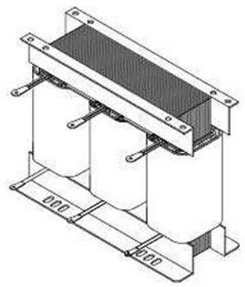
2. CITATION STANDARD

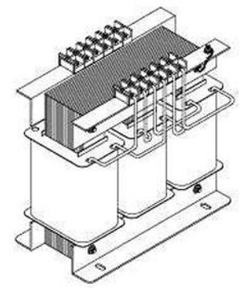
JB/T9646-1999 ☐ GB1094.11-2007 ☐ GB19212.1-2003 ☐

3. SCHEMATIC DIAGRAM



Autocoupling





4. INTRODUCTION TO STRUCTURE

the structure of the transformer;
1. Magnetically conductive material: power frequency transformers use silicon steel sheets, and high-frequency transformers use magnetic cores.
2. Conductive materials: enameled wire, copper foil, copper screws, terminal lugs, etc.
3. Insulating materials: skeleton, electrical board, insulating paper, insulating board, plastic sleeve, terminal block, etc.
4. Fixing materials: tripod/channel steel, clamping screw, pull rod, etc.

SBW THREE PHASE POWER REGULATOR

1. PRODUCT OVERVIEW

SBW, DBW series single and three-phase automatic compensation type power regulators are suitable for automatically maintaining the output voltage stability when the voltage of the external power supply network fluctuates or the load changes and the voltage is passive. Compared with other forms of voltage stabilizers, this series of products has the advantages of large capacity, high efficiency, no waveform dark change, and balanced voltage regulation. It is suitable for a wide range of loads, can withstand instantaneous overload, and can work continuously for a long time. Manual/automatic switching, with overvoltage protection, phase loss, phase sequence protection and automatic mechanical fault protection, the machine is small in size and light in weight. Easy to use and install, reliable operation and so on. (The score is displayed, and the meter indicates two losses).

This series of voltage stabilizers have been widely used in electronic computers, precision machine tools, precision instruments, experimental devices, elevators and Production lines are all places where voltage stability is required.

2. TECHNICAL PARAMETERS

Input voltage: three-phase four-phase voltage 176V-264V phase voltage, line voltage 304V-456V
Output voltage: three-phase 380V (can be customized 390v, 400V)
Output accuracy: 1-5% (adjustable)
Frequency: 50Hz/60Hz
Efficiency: ≥98% (power level above 50KVA)
Response speed: ≤1.5S
Ambient temperature -10℃~+40℃
Insulation resistance: ≥5MQ
Overload capacity: double rated current for one minute
Waveform Distortion: No additional waveform distortion
Protection functions: overvoltage, undervoltage, filtering, phase loss, phase sequence, bypass.

3. DIMENSIONS, PACKAGING

Specifications	Output Power (kva)	Package dimensions (cm)	Weight (kg)
DBW-20K	20	65x56x135	278
DBW-30K	30	65x56x135	300
DBW-40K	40	65x56x135	320
DBW-50K	50	80x60x150	360
DBW-60K	60	80x60x150	370
DBW-70K	70	80x60x150	390
DBW-80K	80	80x60x150	420
DBW-100K	100	90x70x170	460
DBW-120K	120	90x70x170	490
DBW-150K	150	90x70x170	515
DBW-180K	180	100x80x190	580
DBW-200K	200	100x80x190	590
SBW-50K	50	80x54x135	260
SBW-60K	60	80x54x135	255
SBW-100K	100	85x62x150	357
SBW-150K	150	100x70x165	482
SBW-180K	180	100x70x165	515
SBW-200K	200	100x70x165	562
SBW-225K	225	110x60x185	570
SBW-250K	250	110x80x185	710
SBW-300K	300	110x80x185	755
SBW-320K	320	110x80x185	810
SBW-400K	400	100x80x200/2柜	1175
SBW-600K	600	100x80x200/2柜	1510
SBW-600K	600	100x80x200/2柜	1780

SBW-F THREE-PHASE SUB-ADJUSTMENT REGULATOR

1. PRODUCT OVERVIEW

SBW-F series three-phase sub-adjustment type fully automatic compensation power stabilizer is an improved voltage stabilizer of SBW series products, suitable for power grids with unbalanced three-phase voltage input. The output can be automatically balanced, and maintain the advantages of stable voltage regulation.

2. USE OCCASIONS

Widely used in post and telecommunications, shopping malls, elevators, hospitals, schools, printing, securities and other occasions where normal voltage is required, as well as large and medium-sized industrial and mining enterprise workshops, some power supplies and important equipment and stand-alone matching.

3. TECHNICAL PARAMETERS

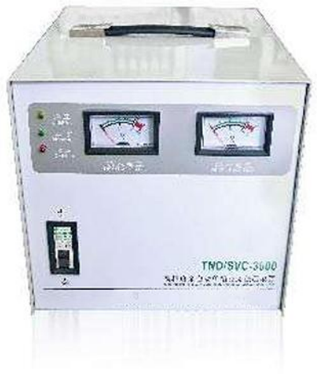
Input voltage: three-phase four-wire phase voltage 176V ± 20% line voltage 380V ± 20% or phase voltage 220V ± 30%
Line voltage 380V± 20% (please specify when ordering)
Output voltage: three-phase line voltage 220V line voltage 380V
Output accuracy: 2-5% (adjustable)
Frequency: 50Hz/60Hz
Efficiency: ≥95% (power level above 50KVA) Response speed: ≤1.5S (when the external voltage changes by 10%)
Ambient temperature: -10°C~+40°°C
Insulation resistance: ≥2MQ
Electric strength: no breakdown and flashover phenomenon at power frequency sinusoidal voltage of 200OV for 1 minute
Overload capacity: double rated current for one minute
Waveform Distortion: No additional waveform distortion
Protection function: with overvoltage, filtering, phase loss, phase sequence protection (single-phase without phase loss and phase sequence protection) and mechanical fault protection

4. DIMENSIONS, PACKAGING

Specifications	Output Power (kva)	Package dimensions (cm)	Weight (kg)
SBW-F-800K	800	85x120x200/3柜	2750
SBW-F-1000K	1000	85x120x200/3柜	2750
SBW-F-1200K	1200	85x120x200/3柜	4050
SBW-F-1600K	1600	135x130x220/4柜	5500
SBW-F-2000K	2000	135x130x220/4柜	7050

TRANSFORMER EXPERT

SVC TND TNS SERIES AUTOMATIC AC VOLTAGE STABILIZER



1. PRODUCT OVERVIEW

SVC series single-phase high-precision automatic AC voltage stabilizer is one of the leading products of our company. Their structure is composed of contact type auto-voltage regulator, servo motor, automatic control circuit, etc. When the grid voltage is unstable or the load is When changing, the automatic sampling control circuit sends a signal to drive the servo motor, adjust the position of the carbon brush of the auto-voltage regulator, so that the output voltage is adjusted to the rated value and reaches a stable state.
This series of voltage stabilizers are common type, with many varieties, complete specifications, and beautiful appearance. It has the characteristics of undistorted waveform, feasible performance, long-term operation, etc. It is equipped with overvoltage protection function. According to user needs, undervoltage, delay and other protection functions can be set. It can be widely used in any electric place and is an ideal voltage stabilizer power supply. Make sure your electrical equipment is functioning properly.

2. TECHNICAL PARAMETERS

Input voltage: 150V-250V
Output voltage: single-phase 0.5KVA-3KVA220V and 110V single-phase 5KVA-30KVA220V voltage regulation accuracy: 220V±3% and 110V±6%
Frequency: 50Hz/60Hz
Adjustment time: <1 second (when the input voltage changes by 10%)
Efficiency: ≥90%
Ambient temperature -10℃~+40℃
Insulation resistance: ≥5MΩ
Relative humidity: <95%
Temperature rise: less than 60℃
Waveform Distortion: No additional waveform distortion
Load power factor: 0.8
Dielectric strength: 1500V/1min

3. DIMENSIONS, PACKAGING

	Specifications	Product Size (cm)	Weight (kg)	Package dimensions (cm)	Taiwanese
Desktop	SVC-0.5KVA	17x19x13	5	44x25x35	4
	SVC-1KVA	20x22x16	7	50x28x40	4
	SVC-1.5KVA	20x22x16	8.0	52x28x40	4
	SVC-2KVA	26x24x19	14	34x32x50	2
	SVC-3KVA	29x22x24	16	62x38x34	2
	SVC-5KVA	46x24x19	27	54x32x27	1
	SVC-8KVA	57x27x24	40	71x40x35	1
	SVC-10KVA	57x27x24	41	71x40x35	1
Vertical	SVC-5KVA	29x24x40	28.5	31x29x48	1
	SVC-8KVA	29x24x42	39	40x35x52	1
	SVC-10KVA	29x24x42	40	40x35x52	1
	SVC-15KVA	40x33x65	75	48x45x90	1
	SVC-20KVA	58x35x68	110	68x48x90	1
	SVC-30KVA	53x43x102	165	64x53x112	1
	SVC-45KVA	79x43x129	200	90x65x140	1
	SVC-60KVA	79x43x129	250	90x65x140	1

TRANSFORMER EXPERT

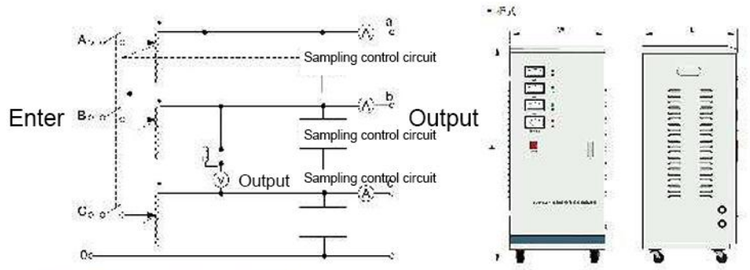
SVC TND TNS SERIES AUTOMATIC AC VOLTAGE STABILIZER

1. PRODUCT OVERVIEW

TNS series high-precision automatic three-phase AC stabilized power supply is composed of single-phase TND (SVC) series high-precision automatic stabilized power supply. The three-phase split-phase adjustment ensures the stability and safety of the voltage of each phase. The power grid input is three-phase four-wire, and the ink-shaped (Y-shaped) connection method. The output can be three-phase four-wire system or three-phase three-wire system. Three ammeters respectively indicate the output current of each phase, and a switch and a voltmeter change gears to detect the output voltage of each phase.
TNS series high-precision automatic three-phase AC voltage stabilizer of 20KVA and above specifications is composed of three single-phase automatic voltage stabilized power supplies of corresponding specifications, and adopts auto-coupling type.

2. PRODUCT PERFORMANCE

Input voltage: 260V~430V
Output voltage: 380v ± 3%
Number of phases: three-phase
Frequency: 50Hz ± 2Hz
Adjustment time: <1 second (when the input voltage changes by 10%)
Efficiency:> 90%
Ambient temperature: -10℃~+40℃
Relative temperature: <90%
Waveform Distortion: No additional waveform distortion
Insulation resistance: single-phase>5MΩ three-phase>2MΩ



3. SPECIFICATIONS, DIMENSIONS, WEIGHT

Models and Specifications	Output Power (KVA)	Product Size (cm)			Net weight (Kg)
		Length	Width	Height	
TNS-1.5K	1.5	48.5	22.5	17	20
TNS-3K	3	48.5	22.5	17	24
TNS-4.5K	4.5	48.5	22.5	17	28
TNS-6K	6	36	28	68	28
TNS-8K	8	36	32	78	43
TNS-15K	15	44	35	78	68
TNS-20K	20	52	40	88	85
TNS-30K	30	49	45	97	91
TNS-40K	40	64	57	118	175
TNS-60K	60	64	57	118	185
TNS-60K	60	64	57	118	196
TNS-75K	75	67	55	132	207
TNS-100K	100	67	56	132	273

TRANSFORMER EXPERT

JJW/JSW HIGH PRECISION AUTOMATIC AC PURIFICATION VOLTAGE STABILIZER

1. PRODUCT OVERVIEW

JJW.JSW series precision AC purification stabilized power supply, which integrates voltage stabilization and purification, adopts sinusoidal energy distribution voltage stabilization technology, has high voltage stabilization accuracy, fast dynamic response speed, low distortion, strong load adaptability, and anti-electromagnetic interference. It has remarkable characteristics such as strong ability, and can absorb and suppress various noises and peak voltages in the power grid.

2.THE USE OF OCCASIONS

Laboratory testing equipment, measuring equipment, medical equipment, precision instruments, etc.

3. PRODUCT PERFORMANCE

Input voltage	Single-phase 185V~250V Three-phase 320V~430V	Efficiency	>90%
		Waveform distortion	≤5%
The output voltage	Single-phase 220 accuracy 1% Three-phase 220 accuracy 1%	Response time	20ms~100ms
		Spike absorption	Input 50OV/13us output≤5V
Frequency	50Hz±2Hz	Ambient temperature	-10℃~+40℃
Overvoltage protection value	Single-phase 240+4V Three-phase 426V soil 7V	Temperature rise	<60℃
		Dielectric strength	1500V/min
Load effect	≤±0.5%	Insulation resistance	Single-phase>5MΩThree-phase>2MΩ

4. SPECIFICATION SIZE WEIGHT

	Specifications	Product Size (cm)	Weight (cm)	Package dimensions (kg)	Taiwanese
Desktop	JJW1	35x16x25	41x23x33	13	1
	JJW2	39x17x29	47x24x36	17	1
	JJW3	46x23x41	57x34x51	27	1
	JJW5	46x23x41	57x34x51	07	1
	JJW10	51x27x47	61x39x56	65	1
	JJW15	66x42x47	78x54x58	67	1
	JJW20	66x42x47	78x54x58	100	1
	JJW30	81x62x59	94x74x70	114	1
Vertical	JSW3	61x32x56	72x44x65	33	1
	JSW6	61x32x56	72x44x65	45	1
	JSW9	71x35x66	82x46x75	63	1
	JSW15	71x35x66	82x46x75	61	1
	JSW20	71x35x66	82x46x75	115	1
	JSW30	71x40x76	82x52x85	140	1
	JSW50	70x58x130	90x74x142	165	1
	JSW75	70x58x130	90x74x142	185	1
	JSW100	70x58x130	90x74x142	215	1

TRANSFORMER EXPERT

DJW/SJW MICROCOMPUTER CONTACTLESS POWER COMPENSATION REGULATOR

1. PRODUCT OVERVIEW

SJW-WB, DJW-WB series single and three-phase microcomputer non-contact compensation type power stabilizer (hereinafter referred to as voltage stabilizer) is a new type of high-power high-power voltage stabilizer, which has introduced the latest technology of international AC stabilized power supply and is designed according to my country's national conditions. AC regulated power supply. It integrates advanced combined winding compensation method, non-contact switch, microcomputer-controlled AC voltage regulation technology, and functions such as overvoltage and undervoltage alarm and protection. At the same time, the voltage stabilizer breaks through the damage caused by the transient process of the system and device operation to the common-state current impact and overvoltage produced by the non-contact switch, and has strong instantaneous overload capability, thus greatly improving the reliability of the system operation. .

2. TECHNICAL PARAMETER

Input voltage: ±20%
Voltage regulation accuracy: ±2.5%
Frequency: 95%
Absolute value of load power factor:>0.7
Strain time: 0.2-0.5S
Adopt phase separation adjustment, with three-phase automatic leveling function
Withstand instantaneous 1.5-2 times overload
Can work continuously for a long time
No contact, no noise, no mechanical and brush wear
With overvoltage, undervoltage, phase loss, fault diagnosis, signal display, alarm and protection functions
Power specifications: single-phase 220V, three-phase 380V, frequency 50-6OHz.

3. MODELS AND SPECIFICATIONS

Voltage regulation range (V)	Voltage regulation accuracy (%)	Model	Rated capacity (KVA)	Output current (A)	Shell size (mm) (D×W×H)	Remark
Simplex 176V-264V (±20%)	2.5	DJW-WB-10KVA	10	45	600x400x1350	If you have special specifications, please negotiate with our company for customization
		DJW-WB-15KVA	15	68	600x400x1350	
		DJW-WB-20KVA	20	91	600x400x1350	
		DJW-WB-30KVA	30	136	600x450x1450	
		DJW-WB-50KVA	50	227	600x450x1450	
		DJW-WB-60KVA	60	273	600x450x1450	
		DJW-WB-80KVA	80	364	700x500x1450	
		DJW-WB-100KVA	100	455	700x500x1450	
Three phase 304V/456V (±20%)	2.5	SJW-WB-10KVA	10	15	600x500x1350	
		SJW-WB-15KVA	15	22	600x500x1350	
		SJW-WB-20KVA	20	30	600x500x1350	
		SJW-WB-30KVA	30	45	600x500x1550	
		SJW-WB-50KVA	50	76	700x600x1650	
		SJW-WB-100KVA	100	152	800x600x1650	
		SJW-WB-150KVA	150	227	1000x800x1800	
		SJW-WB-180KVA	180	273	1000x800x1800	
		SJW-WB-200KVA	200	303	1000x800x1800	
		SJW-WB-225KVA	225	333	1000x800x1800	
		SJW-WB-250KVA	250	379	1000x800x1800	
		SJW-WB-300KVA	300	455	1000x800x1800	

TRANSFORMER EXPERT

SBW-DT ELEVATOR SPECIAL AUTOMATIC POWER COMPENSATION VOLTAGE STABILIZER

1. PRODUCT OVERVIEW

SBW-DT series is a kind of voltage stabilizer specially designed for elevators. It can be suitable for the impact of large current instantaneously, and the output voltage can be stabilized to ensure the normal operation of the elevator. SBW-CT series is a power supply specially designed for precision instruments such as medical equipment, CT, B-ultrasound, etc. It has all the functions of SBW series.

2. ELEVATOR ONLY

Specifications	Output current (A)	Product size (cm)	Weight (kg)	Packaging size (cm)
SBW-DT30K	45	915x500x1020	220	1085x670x1200
SBW-DT50K	76	915x500x1020	245	1085x670x1200

3. SPECIAL FOR CT

SBW-CT series is a power supply specially designed for precision instruments such as medical equipment, CT, B-ultrasound, etc. It has all the functions of SBW series.

Specifications	Output current (A)	Product size (cm)	Weight (kg)	Packaging size (cm)
SBW-DT30K	45	915x500x1020	220	1085x670x1200
SBW-DT50K	76	915x500x1020	245	1085x670x1200

4. TECHNICAL PARAMETERS

Input voltage: single-phase 220V ± 20%, three-phase four-wire phase voltage 220V ± 20% phase voltage, line voltage 380V ± 20% (can be customized ± 30% ± 40%)
Output voltage: single-phase 220V three-phase 38OV (can be customized three-phase 200V 220v 390V 400v 430V, etc.)
Output accuracy: 1~5% (adjustable)
Frequency: 50Hz/60Hz
Efficiency: ≥98% (power level above 50KVA)
Response speed: ≤1.5S (when the external voltage changes by 10%)
Ambient temperature: -10°°C~+40°C
Insulation resistance: ≥ 5MΩ
Overload capacity: twice the rated current for one minute
Waveform Distortion: No additional waveform distortion
Protection functions: overvoltage, undervoltage, overcurrent, phase loss, phase sequence, bypass

5. USE ENVIRONMENT

This series of voltage stabilizers should be used indoors, and the normal use conditions are:
1. Ambient temperature: -15℃~+45℃;
2. The altitude does not exceed 1000m;
3. Relative humidity: ≤90%;
4. The installation site should be free from gas, steam, chemical deposits, dust, dirt and other explosive and corrosive media that seriously affect the insulation of the voltage stabilizer; the installation site should be free from severe vibration or bumps. Any special use conditions that do not meet the above requirements, It should be determined through negotiation between the user and our factory.

6. REMARKS

When ordering, please specify: model, capacity, voltage regulation accuracy, input voltage range, output voltage; input voltage 380V±30% (please specify when ordering)

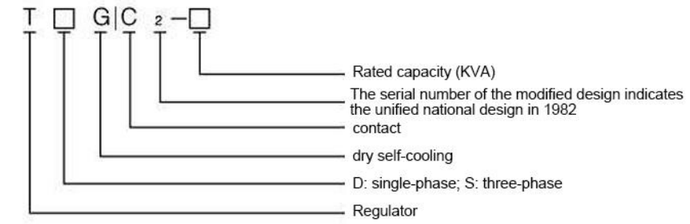
TRANSFORMER EXPERT

TDGC2 SINGLE-PHASE AUTO-VOLTAGE REGULATOR

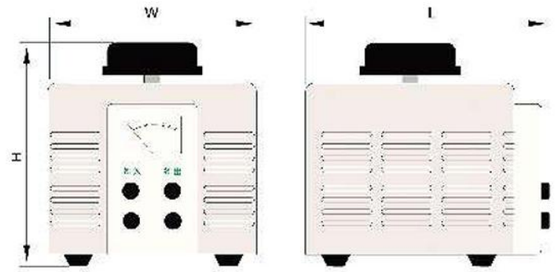
1. PRODUCT OVERVIEW

TDGC2J and TSGC2J series products are the fourteenth batch of energy-saving products in the electromechanical industry. This product has the characteristics of undistorted waveform, small size, light weight, high efficiency, convenient use and reliable operation, and its performance is more superior. It can be widely used in industry (such as chemical industry, metallurgy, instrumentation, electromechanical manufacturing, light industry, etc.), public equipment for scientific experiments, and household appliances. In order to achieve the purpose of voltage regulation, temperature control, speed regulation, dimming and power control.

2. MODEL AND MEANING



3. SCHEMATIC



4. OUTLINE AND INSTALLATION DIMENSIONS

Model	Outline and installation dimensions (mm)						Weight (kg)
	L1	L2	H	H2	h	12	
TDGC2J–0.5	150	124	124	142	20	12	3.85
TDGC2J–1	197	187	200	145	33	12	
TDGC2J–2	240	225	208	148	33	12	10
TDGC2J–3	269	255	208	148	33	20	13.8
TDGC2J–5	380	345	254	171	40	20	
TDGC2J–10	414	345	420	330	51	20	68.85
TDGC2J–15	414	345	580	490	51	20	
TDGC2J–20	414	345	580	490	51	20	
TDGC2J–30	414	345	1160	970	51	20	
TDGC2J–40	414	345	1160	970	51	20	
TSGC2J–3	197	187	480	415	44	145	
TSGC2J–6	240	225	485	420	44	145	
TSGC2J–9	269	225	485	420	44	145	
TSGC2J–15	380	345	580	490	51	20	
TSGC2J–20	380	345	580	490	51	20	
TSGC2J–30	414	345	1160	970	51	20	
TSGC2J–40	414	345	1160	970	51	20	

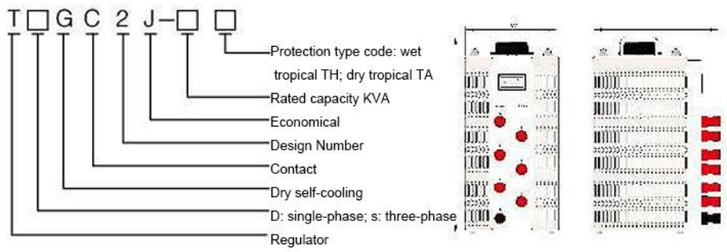
TRANSFORMER EXPERT

TSGC2 THREE-PHASE AUTO-VOLTAGE REGULATOR

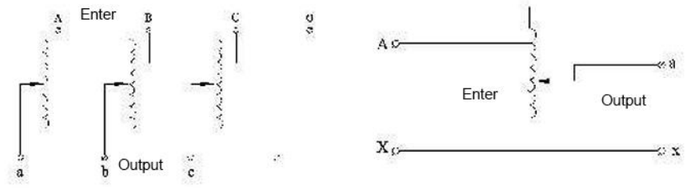
1. PRODUCT OVERVIEW

TDGC2J and TSGC2J series products are the fourteenth batch of energy-saving products in the electromechanical industry. This product has the characteristics of undistorted waveform, small size, light weight, high efficiency, convenient use and reliable operation, and its performance is more superior. It can be widely used in industry (such as chemical industry, metallurgy, instrumentation, electromechanical manufacturing, light industry, etc.), scientific experiments, public equipment, and household appliances. , in order to achieve the purpose of voltage regulation, temperature control, speed regulation, dimming and power control.

2. MODEL AND MEANING



3. SCHEMATIC

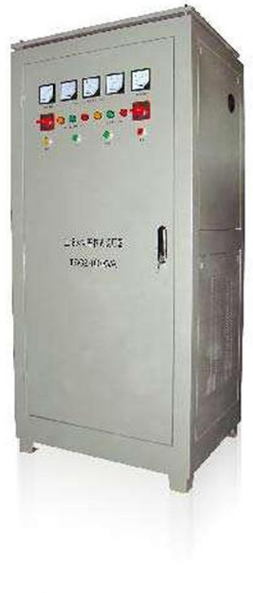


4. OUTLINE AND INSTALLATION DIMENSIONS

Model	Outline and installation dimensions (mm)						Weight (kg)
	L1	L2	H	H2	h	12	
TDGC2J–0.5	150	124	124	142	20	12	3.85
TDGC2J–1	197	187	200	145	33	12	
TDGC2J–2	240	225	208	148	33	12	10
TDGC2J–3	269	255	208	148	33	20	13.8
TDGC2J–5	380	345	254	171	40	20	
TDGC2J–10	414	345	420	330	51	20	68.85
TDGC2J–15	414	345	580	490	51	20	
TDGC2J–20	414	345	580	490	51	20	
TDGC2J–30	414	345	1160	970	51	20	
TDGC2J–40	414	345	1160	970	51	20	
TSGC2J–3	197	187	480	415	44	145	
TSGC2J–6	240	225	485	420	44	145	
TSGC2J–9	269	225	485	420	44	145	
TSGC2J–15	380	345	580	490	51	20	
TSGC2J–20	380	345	580	490	51	20	
TSGC2J–30	414	345	1160	970	51	20	
TSGC2J–40	414	345	1160	970	51	20	

TRANSFORMER EXPERT

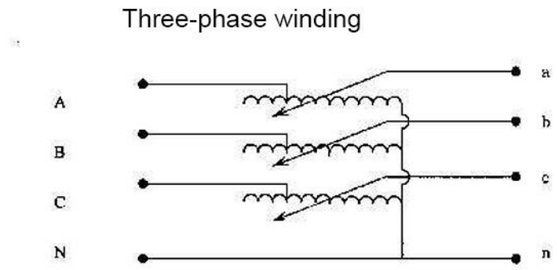
TSGZ POWER COLUMN VOLTAGE REGULATOR



1. PRODUCT OVERVIEW

TEDGZ, TESGZ series single and three-phase high-power column-type electric voltage regulators are new products of high-power column-type electric voltage regulators developed, designed and produced by our company in combination with market demand to meet the needs of the majority of users.
The column type electric voltage regulator has no distortion of the output voltage waveform (the output voltage waveform distortion rate is less than 1%). The output voltage can be adjusted from zero voltage, strong instantaneous overload capability, no-load current, low no-load loss, high efficiency, low noise, and long life. It is suitable for various inductive, capacitive and resistive loads.
This product can be widely used in scientific research, communication, test equipment, lighting adjustment and rectification equipment and other occasions that need voltage regulation.

2. SCHEMATIC



3. SPECIFICATIONS, DIMENSIONS, WEIGHT

Specifications	Voltage range (V)	Output current (A)	Product size (mm)	Packaging size (mm)
TEDGZ–50	0–250	200	600x630x1500	680x710x1500
TEDGZ–63	0–250	252	700x1200x1700	780x1280x1900
TEDGZ–80	0–250	320	700x1200x1700	780x1280x1900
TEDGZ–100	0–250	400	700x1200x1700	780x1280x1900
TEDGZ–125	0–250	500	700x1200x1700	780x1280x1900
TESGZ–50	0–430	67	700x630x1700	780x710x1900
TESGZ–63	0–430	84	700x630x1700	780x1280x1900
TESGZ–80	0–430	107	700x1200x1700	780x1280x1900
TESGZ–100	0–430	134	700x1200x1700	780x1280x1900
TESGZ–125	0–430	168	700x1200x1700	780x1280x1900
TESGZ–160	0–430	215	1200x1500x1700	1200x1500x1900
TESGZ–200	0–430	269	1200x1500x1700	1200x1500x1900

SINGLE-PHASE REACTOR

1. PRODUCT OVERVIEW

- The power supply has obvious interference to other equipment (interference, overvoltage)
- Power supply phase-to-phase voltage unbalance > 1.8% of rated voltage
- Lines with extremely low impedance (the power transformer is more than 10 times the rated value of the inverter)
- A large number of frequency converters installed on a line to reduce line current
- Use cosφ (power factor) correction capacitor or power factor correction unit

2.MODEL MEANING

HK □ G 0.8/ □-□

- Voltage drop V through high current
- Rated current (A)
- The highest operating AC voltage 0.8kv
- Dry air cooling
- S: three-phase D: single-phase
- Line reactor

Input/line reactors can also be expressed as ACL

CK □ G 0.8/ □-□

- Rated current (A)
- Rated inductance (mH)
- The highest operating AC voltage 0.8kv
- Dry air cooling
- S: three-phase D: single-phase
- Outgoing Reactor

Output/outgoing line reactors can also be expressed as OCL

3.TECHNICAL PARAMETER

1. Rated working voltage: 380V/440V 50Hz
2. Rated working current: 5A to 1600A @ 40℃
3. Dielectric strength: iron core-winding 300OVAC/50Hz/5mA/10s without arcing breakdown (factory test)
4. Insulation resistance: 1000VDC insulation resistance ≥100MV
5. Reactor noise: less than 65dB (tested at 1 meter horizontal distance from the reactor)
6. Protection class: IP00
7. Insulation class: above class F
8. Product implementation standard: IEC289:1987 reactor

GB10229-88 Reactor (eqv IEC289:1987)

JB9644-1999 Reactor for Semiconductor Electric Transmission

4.PARAMETERS AND TECHNICAL REQUIREMENTS WHEN ORDERING

1. The rated voltage of the system;
2. Capacitor capacity;
3. Capacitor terminal voltage;
4. Reactance rate;
5. Ways of entering and exiting (double-sided, single-sided);
6. If there are other special requirements, it should be clearly stated.

THREE-PHASE REACTOR

1. PRODUCT OVERVIEW

The low-voltage dry-type series reactor passes through alternating current, and its function is to be connected in series with the power factor compensation capacitor to form series resonance for the steady-state harmonics (5th, 7th, 11th, and 13th). Usually there are reactors with a reactance rate of 4.5~6%, and the reactance rate for the 5th harmonic is usually 6%, which is a high inductance value reactor, and the reactance rate for the 3rd harmonic is usually 12~13%.

The series reactor and the capacitor bank are connected in series to form a reactive power compensation device, which has the following functions: 1. Limit or even eliminate the amplification effect of the power reactor bank on the system harmonics when the series reactor is not installed; 2. Reduce the closing inrush current of the capacitor bank and inrush current frequency, it is easy to select circuit equipment and protection capacitors; 3, reduce the harmonic voltage value on the bus to improve the quality of power supply; 4, limit the current higher than this harmonic current into the capacitor bank, suppress higher harmonics, and protect capacitors ;5, reduce the discharge current value of the sound capacitor bank to the fault capacitor bank, and protect the capacitor; 6, reduce the inrush current multiple and frequency when the capacitor bank circuit breaker is opened and the arc breaks down, so as to facilitate the arc extinguishing of the fracture and reduce the operating overvoltage amplitude value.

2. MODEL MEANING.

CK S G □/□-□

- Rated reactance rate (%)
- Equipped with capacitor rated voltage (V)
- Reactor capacity (kvar)
- Dry air cooling
- S: three-phase D: single-phase
- Series reactor

3. STRUCTURAL FEATURES

1. The reactor is divided into three-phase and single-phase, both of which are iron core dry type.
2. The iron core is made of imported cold-rolled oriented silicon steel sheet with high quality and low loss. The core column is divided into uniform sections by multiple air gaps. The air gaps are separated by epoxy laminated glass cloth plates to ensure that the reactance air gap does not occur during operation. Variety.
3. The coil is made of H-grade or C-grade enameled flat copper wire, which is closely arranged and evenly arranged. The outer surface is not covered with an insulating layer, which has excellent aesthetics and good heat dissipation performance.
4. After the coil and iron core of the reactor are assembled into one body, they go through the process of pre-baking→vacuum dipping→heat-baking and curing. The H-level dipping varnish is used to firmly combine the coil and iron core of the reactor, not only The noise during operation is greatly reduced, and it has a very high heat resistance level to ensure that the reactor can operate safely and noiselessly at high temperatures.
5. Non-magnetic materials are used for the fasteners of the core column of the reactor to ensure that the reactor has a high quality factor and a low temperature rise, ensuring a good filtering effect.
6. The exposed parts are treated with anti-corrosion treatment, and the lead-out terminals are made of cold-pressed copper tube terminals.
7. Compared with domestic similar products, the reactor has the advantages of small size, light weight and beautiful appearance, which can be compared with well-known foreign brands.

4. USE ENVIRONMENTAL CONDITIONS

1. The altitude does not exceed 2000 meters.
2. The operating ambient temperature is -25℃~+45℃, and the relative humidity does not exceed 90%.
3. There is no harmful gas around, no flammable and explosive materials.
4. The surrounding environment should have good ventilation conditions. If it is installed in a cabinet, ventilation equipment should be installed.
5. Other content beyond the technical conditions shall be dealt with through consultation between the technical department and the user, and shall be indicated when ordering.

5. PERFORMANCE PARAMETERS

1. It can be used in 400V and 660V systems.
2. Types of reactance rate: 1%, 6%, 12%
3. The rated insulation level is 3KV/min.
4. The temperature rise limit of each part of the reactor: the iron core does not exceed 85K, and the temperature rise of the electric coil does not exceed 95K.
5. The noise of the reactor is not more than 45dB
6. The reactor can run for a long time under the power frequency plus harmonic current not more than 1.35 times the rated current.
7. The linearity of the reactance value: the ratio of the reactance value at 1.8 times the rated current to the reactance value at the rated current is not less than 0.95.
8. The difference between any two-phase reactance values of the three-phase reactor is not more than ±3%.
9. Temperature resistance class H (180℃) or above.