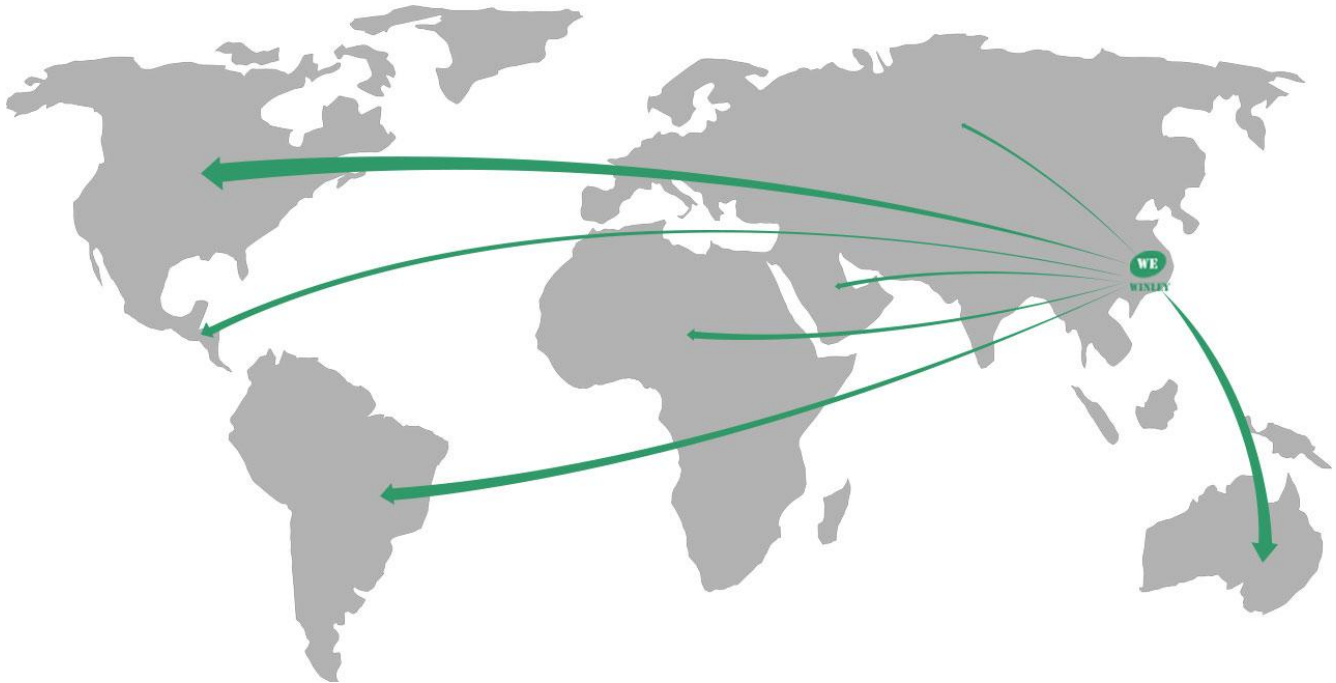




WINLEY PURCHASER





Focus on deep cultivation

WINLEY ELECTRIC headquartered in Xiamen, China, it has nearly 17 years of experience in transformer R&D and manufacturing. With decades of professional knowledge and production experience, guiding industry standards, we are able to provide customers with comprehensive product solutions. We are specialized in manufacturing all kinds of transformers, voltage stabilizers, voltage regulators, reactors, etc. The products are widely used in industrial machinery, new energy, power generation, power supply, coal, metallurgy, petroleum, chemical, construction, port, airport, railway transportation, urban infrastructure, and other areas.

Quality assurance

WINLEY ELECTRIC have a professional R&D team, a quality control team, scientific production management system and comprehensive customer service system, and passed ISO 9001:2015 quality management system certification, UL certification, TUV certification, CE certification, and many other third-party testing and certification. Our factory is equipped with advanced production, testing and inspection equipment, and strictly follows product factory inspection to ensure product quality.

Bestselling globally

WINLEY ELECTRIC products are not only popular in the domestic market but also exported to Europe, North & South America, Oceania, Asia and Africa, more than 60 countries and regions. The product quality and technical service are recognized by all customers around the world, and we have cooperative distributors in some countries. The company has a comprehensive customer service system and flexible cooperation methods. Its products meet the electrical safety requirements of many countries such as SASO and UL, and can apply for UL (partner authorization), SASO, SONCAP, etc. according to customer requirements.

Qualification Certificate



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Oil-immersed transformers use oil as the main insulation means of the transformer and rely on oil as a cooling medium, such as oil-immersed self-cooling and oil-immersed air cooling. They have good insulation and thermal conductivity and are widely used in outdoor scenes such as power substations, industrial and mining enterprises, and agriculture.

WINLEY ELECTRIC produces oil-immersed transformers: single-phase transformer, three-phase transformer, pole transformer, distribution transformer, Substation Power Transformer



Product Overview

Single phase pad mounted transformer are compact, self-contained electrical device, It has the characteristics of small size, light weight, low noise, low loss, safety and reliability. It is widely used in residential quarters, commercial centers, hospitals, parks, schools, etc.

The single phase pad mounted transformers produced by WINLEY ELECTRIC have obtained UL/cUL certification. The products fully comply with or even exceed ANSI/IEEE, DOE, and CSA standards. The rated capacity ranges from 10KVA to 250KVA, and the primary voltage can reach 34.5kV. We independently produce key components such as oil tanks and cores, with a monthly delivery capacity of more than 600 units, and Can deliver quickly within 7-35 days.

Product Specification							
Rated Capacity (kVA)	High voltage (kV)	No Load Loss (W)	On load Loss (W)	Height (mm)	Depth (mm)	Width (mm)	Weight (kg)
15 kVA	34.5/19.92 13.8/7.96 13.2/7.6 12.47/7.2 or others	50	195	840	740	610	294
25 kVA		80	290	840	740	610	362
37.5 kVA		106	360	840	760	610	476
50 kVA		135	500	840	810	610	553
75 kVA		190	650	840	860	610	672
100 kVA		280	1010	910	1200	965	714
167 kVA		435	1530	1000	1200	965	913
250 kVA		550	2230	1250	1300	1430	1106

Three Phase Pad Mounted Transformer



Product Overview

The three-phase pad mounted transformer is a combination of transformer, switchgear, fuse, tap changer, low-voltage power distribution device and other corresponding auxiliary equipment. It has the advantages of advanced structure, reliable performance, energy saving and consumption reduction.

WINLEY ELECTRIC specialize in the production of three phase pad mounted transformers. Our products have obtained UL/cUL certification comply with ANSI, IEEE, DOE, CSA and other standards. The rated power is usually 75kva to 5500kva, and the voltage can reach 34.5 kV. Our products are exported to North America and other places in large quantities. We have rich experience in design, production, and after-sales service.

Product Specification

Rated Power (KVA)	High Voltage (KV)	Low Voltage (V)	No-load Loss (W)	On-load Loss (W)	Height (mm)	Depth (mm)	Width (mm)	Weight (kg)
75KVA	34.5KV 4.160KV 12.47KV 13.2KV 13.8KV 24.94GrdY/ 14.4 12.47GrdY/7.2 4.16GrdY/2.4 or others	277V 347V 480V 600V 120/240V 208GrdY/120 415GrdY/240 480GrdY/277 600Y/347	180	1250	1430	910	1930	645
150KVA			280	2200	1530	980	1510	989
300KVA			480	3650	1680	1080	1660	1415
500KVA			680	5100	1790	1160	1810	1905
750KVA			980	7500	2030	1300	2030	2755
1000KVA			1150	10300	1854	1549	1651	3235
1500KVA			1640	14500	2150	1570	2210	5835
2000KVA			2160	20645	2220	1600	2380	6430
2500KVA			2680	23786	2330	1650	3070	8865
3000KVA			3300	30300	2460	1850	3260	11300
3735KVA			4125	37875	2680	2060	4080	14400

Single Phase Pole Mounted Transformer



Product Overview

The single phase pole mounted transformer is a fully sealed cylindrical structure and is installed by pole-mounted suspension. It has the advantages of small size, strong overload capacity, high continuous operation reliability, and simple maintenance. The product is widely used in industrial and agricultural power grid transmission and distribution.

The pole-mounted transformers produced by WINLEY ELECTRIC have rated capacities ranging from 10 kVA to 333 kVA, meeting ANSI/IEEE C57, IEC60076 and other standards, and meeting or even exceeding DOE and CSA efficiency requirements. Our products have been exported in large quantities to markets such as North America, Central and South America, and Southeast Asia, and have been widely praised.

Product Specification

Rated Capacity (kVA)	High Voltage (V)	Low Voltage (V)	No-load Loss (W)	On-load Loss (W)	Efficiency (%)	Dimensions H*D*W(mm)			Weight (kg)
10	34500/19920V 13800/7957V 13200/7620V 12470/7200V or others	120-240V 240-480V 347V 600V	36	120	98.7	500	525	885	150
15			50	195	98.82	520	565	905	210
25			80	290	98.95	560	590	935	258
37.5			105	360	99.05	610	625	935	340
50			135	500	99.11	635	675	1035	395
75			190	650	99.19	745	840	1035	480
100			210	850	99.25	770	965	1135	530
167			350	1410	99.33	795	890	1335	680
250			500	2000	99.39	1080	1030	1390	1280
333			350	2500	99.43	1140	1060	1450	1550



Product Overview

The three-phase pole-mounted transformer is designed for areas where three-phase power is required but space is limited. It is simpler than a set of three single-phase transformers, has lower installation and operating costs, and is safer.

Product features

- **Miniaturization:** The three-phase pole-mounted transformer is compact in design and small in size, making it suitable for areas with limited installation space.
- **Large capacity:** For a given conductor size, a three-phase pole-mounted transformer can carry more power than a single-phase one.
- **Low cost:** Compared to connecting three single-phase pole-mounted transformers, a three-phase pole-mounted transformer reduces the cost of materials and installation.
- **Balanced load:** A three-phase system naturally balances the load between phases, reducing the risk of imbalance that can lead to overheating and reduced efficiency.
- **Low noise:** Due to the symmetry of three-phase electricity, the transformer runs more smoothly with less noise and vibration.

Product Specification		
Rated Capacity (kVA)	High Voltage (V)	Low Voltage (V)
30	4160 Grdy/2400 to 24940Grdy/14400	208y/120 480y/277 240 480 240△120mid-tap
45		
75		
112.5		
150		



Product Overview

The distribution transformer is a fully sealed transformer, which uses the elasticity of the corrugated sheet to adjust the volume of the oil. The transformer is isolated from the air, which enhances the operating reliability and is maintenance-free for normal operation. The transformer has the advantages of low loss, low noise and high efficiency, Widely used in power grid, machinery manufacturing, industrial parks, ship ports, etc.

Product Specification							
Rated Capacity (kVA)	Hight Voltage (KV)	Tap range (%)	Low Voltage (KV)	No-load Loss (W)	On-load Loss (W)	Short-circuit impedance (%)	Dimensions L*W*H (mm)
50	11 10.5 10 6.3 6	±5% +2×2.5%	0.4 0.69	130	870	6.5	1020x700x 1035
100				200	1580		1105x760x1110
125				240	1890		1120x800x1150
200				340	2730		1470x780x 1350
250				400	3250		1480x780x1420
500				680	5410		1740x960x1590
630				830	6200		1900x1040x1600
1000				1150	10300		2070x1240x1970
1250				1360	12000		2100x1240x1870
2000				1990	19700		1950x1900x2080
2500				2360	23200		2160x1930x2130



Product Overview

Substation transformers are generally oil-immersed and widely used in various utilities or small industrial scenarios. The capacity ranges from 150KVA to 63MVA, the primary voltage range is usually 2.4KV-69KV, and the secondary voltage range is usually 0.6KV-35KV.

The substation transformers designed by WINLEY ELECTRIC are based on IEC, IEEE and other international standards. They absorb and utilize advanced domestic and foreign technologies to optimize the transformer core, coil, body, lead wire, oil tank and other components. They have the characteristics of low partial discharge, low loss, low noise, light weight and long service life.

产品规格 Product Specification

Rated Capacity (kVA)	High Voltage (KV)	Low Voltage (V)	Connection Symbol	Short Circuit Impedence (%)	No-load loss (W)	On-load loss (W)	Dimensions W*H*D (mm)	Weight (kg)
800	4.16KV 12.47KV 13.2KV 13.8KV 24.94KV 34.5KV or others	208/120V 480/277V 600V 12470V 13200V 13800V or others	Dyn1 Ynyn0 Dyn11 Dd0 Ynd11 or others	2.7 3.1 4.35 5.75 6.0	980	9350	1060*1500*1780	2050
1000					1160	11500	1085*1570*1800	2450
1250					1380	13900	1160*1610*1890	2900
1600					1660	16600	1190*1630*1950	3400
2000					2030	18300	1260*1700*2090	4100
2500					2450	19600	1150*2150*2250	4750
3000					3240	26500	1900*2600*2150	6500
5000					4500	27000	2500*2210*3180	9500
7500					7200	32000	3660*3100*5100	13600
10000					8500	35500	3830*2640*2216	15800



Dry type transformer refers to a transformer whose iron core and winding are not immersed in insulating oil. Compared to oil to dry type transformers, it is safer, easier to maintain, smaller in volume, lighter in weight, and occupies a smaller area with the same capacity

The dry-type transformers produced by WINLEY ELECTRIC mainly include: single-phase control transformers, three-phase dry-type transformers, isolation transformers, epoxy casting transformers, toroidal transformers, etc.

Single Phase Control Transformer



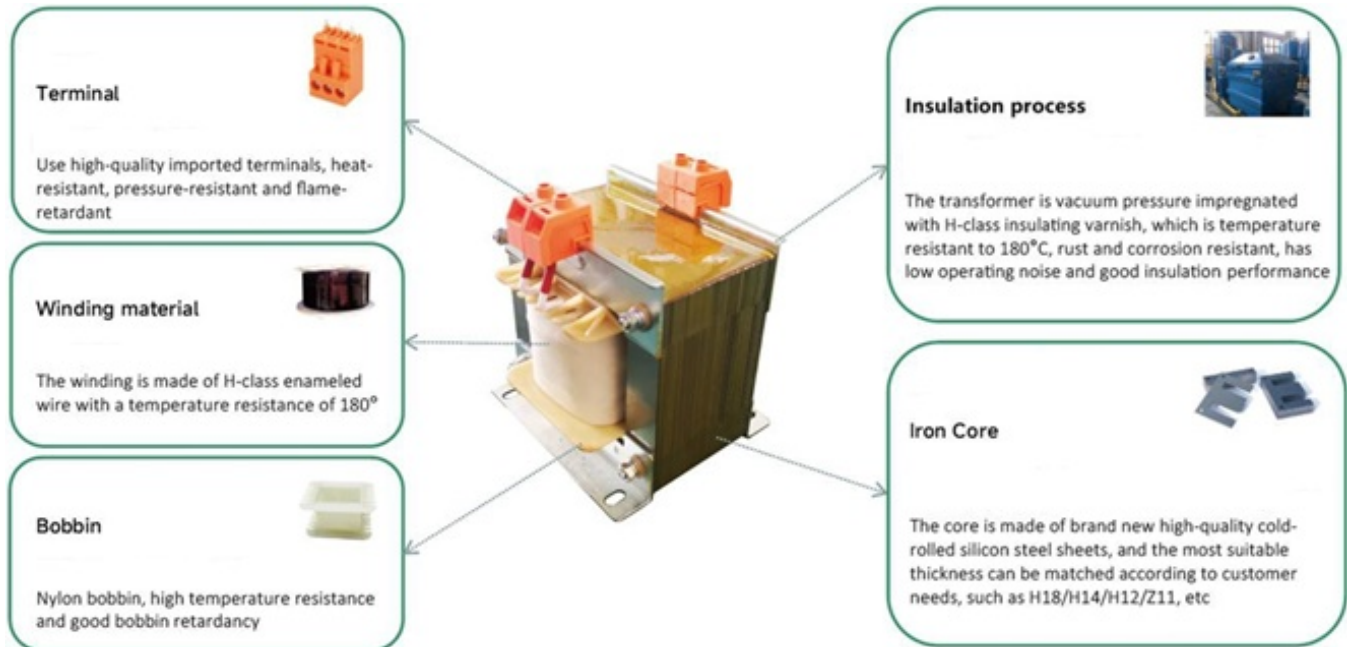
Product Overview

Single transformers are mainly used to accurately adjust the output voltage level and are usually used in machine tools and mechanical equipment as electrical control lighting and indicator light power supply.



WINLEY ELECTRIC's single-phase control transformer core is made of brand new cold-rolled silicon steel sheets, and the winding material is made of double-layer insulated enameled wire with a temperature resistance of 180 degrees, matched with a flame-retardant coil skeleton. The transformer has the characteristics of sufficient power, long life, not easy to heat up, and low operating noise.

Product Process



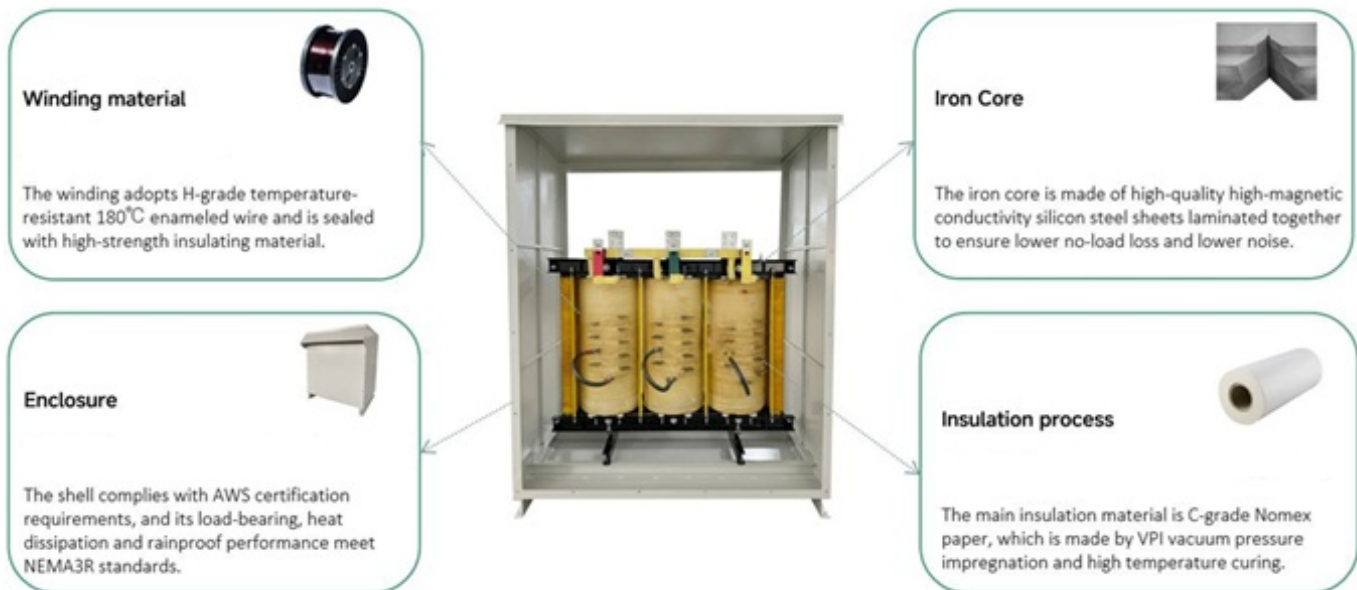
Technical Parameters			
Rated Capacity	1VA~800KVA	Impedance voltage	1%~20%
Primary voltage	1VA~10000V	Overload capacity	Twice the rated current for 1 minute
Secondary voltage	1VA~10000V	Cooling method	AN/AF
Frequency	50Hz/60Hz	Temperature rise	F≤100K, H≤125K
Efficiency	≥80%~99%	Ambient temperature	-15°C~ + 40°C
Insulation resistance	≥500MΩ	Sound level	≤35~65db (A)
Ground resistance	25A < 80MΩ	Altitude	< 2000M
Insulation level	F/H	Relative humidity	< 90%
No-load current	< 0.5%~25%	Design life	30年 (Year)

Product Overview

The main insulation of the C-class insulation three-phase non-encapsulated dry-type transformer is made of C-class (heat-resistant temperature 220°C) Nomex paper, which is cured by VPI vacuum pressure impregnation and high temperature. It has extremely high flame retardancy, heat dissipation performance and overload capacity. It is safe, reliable, environmentally friendly and energy-saving. It is suitable for environments with high fire protection requirements, small sites, and large load fluctuations.



Product Process



Product features

- High safety: The product adopts NOMEX paper insulation system, which is flame retardant, explosion-proof and fireproof.
- High reliability: Class C main insulation material, long-term stability of electrical insulation and mechanical properties.
- High economy: The coil structure is non-encapsulated open type, small in size, light in weight and easy to maintain.

Product Overview

WINLEY ELECTRIC's three-phase epoxy resin dry-type transformers are available in three grades: 10KV/20KV/35KV, in compliance with IEC726, GB/T10228-1997 standards, and have the characteristics of low loss, compact structure, low noise, moisture resistance, high mechanical strength, flame retardant, and strong overload capacity.



Product Process



Product Specifications

Rated capacity (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	No-Load Loss (W)	On-Load Loss (W)	No Load Current (%)	Weight (Kg)	Dimension L*W*H (mm)
100	6 6.3 10 10.5 11	0.4	Dyn11 Yyn0	540	1990	2.4	520	1600*1300*2200
315				970	4080	1.8	1085	1800*1350*2200
500				1350	5790	1.8	1520	2000*1400*2200
630				1530	6840	1.6	1820	2000*1400*2200
1000				2070	9780	1.4	2550	2450*1450*2200
1250				2380	11500	1.4	2900	2300*1500*2200
1600				2790	13800	1.4	3490	2400*1550*2200
2000				3240	16300	1.2	4220	2600*1600*2200
2500				3870	19300	1.2	4955	2600*1600*2200

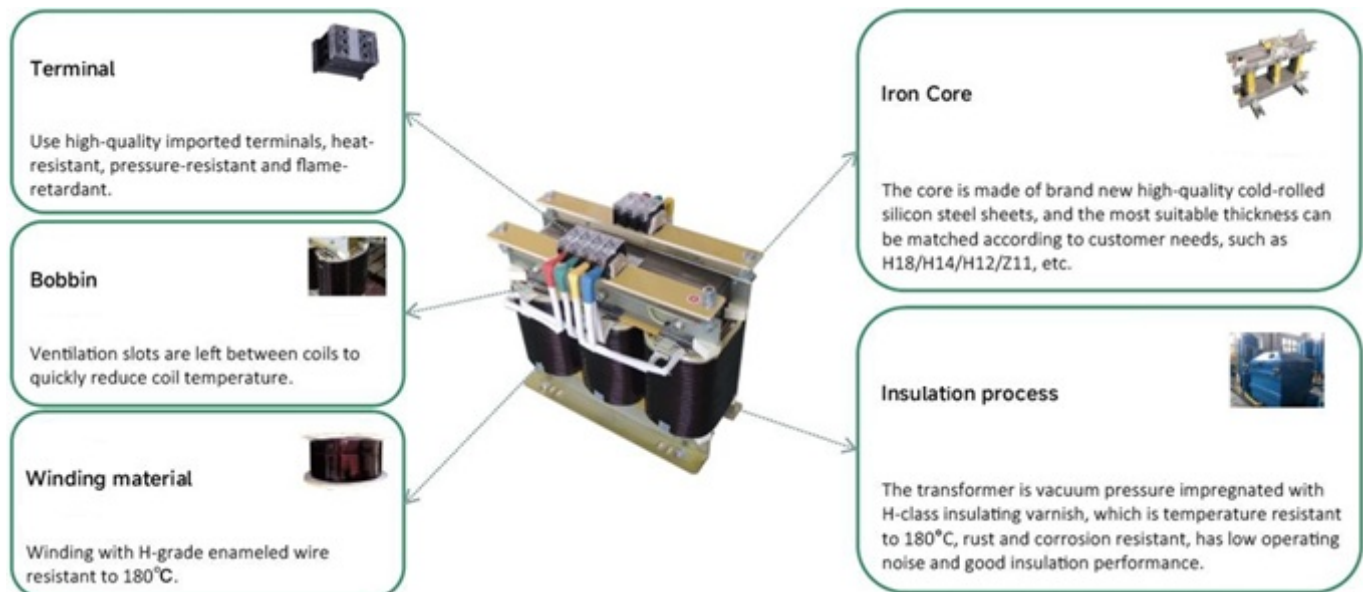
Product Overview

Photovoltaic isolation transformers can achieve electrical isolation between photovoltaic power sources and the power grid, thereby eliminating hidden dangers such as harmonics, flicker, DC bias, and overvoltage.



The photovoltaic isolation transformer produced by WINLEY ELECTRIC not only has the function of voltage transformation in the power grid, but also can isolate the third harmonic of the power grid from the equipment, protect the heat generated by the machine and reduce the life of the insulation material.

Product Process



Technical Parameters

Rated Power	1kVA ~ 6000kVA	Ground resistance	25A < 100mΩ
Input Voltage	380V/400V/415V	Voltage withstand	125Hz/800V/1min
Output Voltage	380V/400V/415V	Impedance voltage	1% ~ 20%
Frequency	50Hz/60Hz	Temperature Rise	F≤100K, H≤125K
Insulation Rating	F/H	Cooling method	Self-Cooled
Efficiency	≥90-99%	Protection level	IP23/IP45/IP65 (Customized)
Anti-interference method		Ambient Temperature	25°C ~ +40°C
Overload capacity	Twice the rated current for 1 minute	Sound Level	≤60dB(A)

Product Overview

WINLEY ELECTRIC's medical isolation transformers are used in medical IT systems. The conventional capacity range is 3.15KVA to 10KVA, the voltage is 220V/230V/380V, the noise is extremely low, safe and stable



Product Process



- Core: Imported silicon steel sheet, extremely low loss and low noise.
- Winding: Double insulation treatment and electrostatic shielding layer, effectively reducing electromagnetic interference.
- Vacuum varnishing: The whole adopts 180°C vacuum varnishing process, with high mechanical strength and good insulation performance.
- Sensor: Built-in PTC120 temperature sensor, which can monitor the transformer temperature.
- Protective shell: Steel plate shell, protection level IP20 or customized.

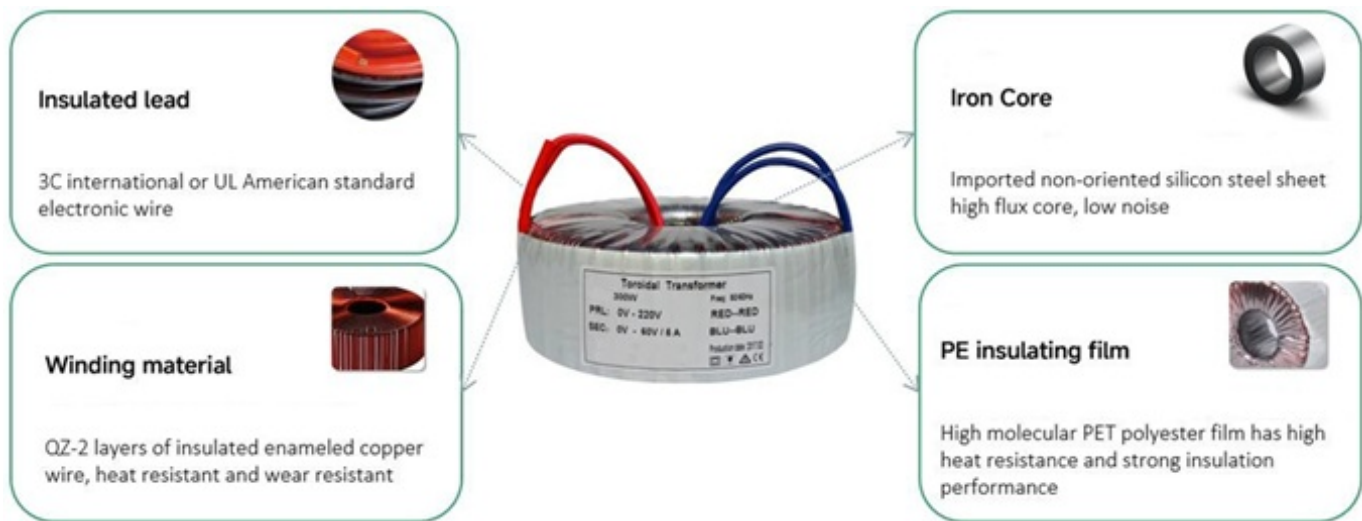
Technical Parameters			
Rated Power	3.15KVA ~ 10KVA	Overload capacity	Twice the rated current for 1 minute
Input Voltage	110-240V	Cooling method	Self-Cooled
Output Voltage	110-240V	Protection level	IPOO/IP20)
Frequency	50Hz/60Hz	Temperature Rise	F≤80K
Efficiency	> 95%	Ambient Temperature	-15°C ~ +40°C
Insulation Rating	F/H	Sound Level	≤40dB(A)
Dielectric strength	4000VAC/min	Altitude	≤2000M
Insulation resistance	≥500MΩ	Relative humidity	<90%
Ground resistance	25A<100mΩ	Design life	20 Year

Product Overview

WINLEY ELECTRIC's single-phase toroidal transformers, with power range from 20VA to 100KVA, are designed and tested according to EN61558. Equipped with advanced winding machines and wound with H-grade or above copper wire, they have the advantages of small size, low temperature rise and high electrical performance.



Product Process



Product Specification					
Rated Power (VA)	Efficiency (%)	No-load Loss (W)	Diameter (mm)	Height (mm)	Weight (Kg)
15VA	86%	0.31W	59mm	40mm	0.42Kg
50VA	86%	0.52W	81mm	43mm	0.71Kg
100VA	87%	1.14W	92mm	57mm	1.34Kg
200VA	91%	1.95W	121mm	60mm	2.84Kg
300VA	93%	2.10W	132mm	62mm	3.58Kg
500VA	94%	3.12W	158mm	64mm	5.50Kg
750VA	96%	4.84W	169mm	80mm	7.58Kg
1000VA	96%	6.94W	202mm	75mm	10.42Kg
2000VA	98%	11.42W	208mm	89mm	16.34Kg



Voltage stabilizers and voltage regulators are devices that keep the output voltage stable. When the input voltage or load changes, the voltage stabilizer control circuit samples, compares, and amplifies, then drives the servo motor to rotate, automatically adjusting the coil turns ratio to keep the output voltage stable.

The voltage regulator collects, analyzes, judges, processes the signal through the intelligent controller, and then sends a signal to drive the on-load tap changer to adjust the voltage, thereby keeping the output voltage stable.

Product Overview

The intelligent contactless voltage stabilizer is a microcomputer intelligent voltage stabilizer, controlled by a single-chip microcomputer and equipped with a multi-language display. It has the characteristics of fast voltage stabilization, quiet energy saving, safety and stability, etc. It can accurately detect the effective value of various voltage waveforms, prevent electromagnetic and radio frequency interference, and effectively filter out power grid pollution.



Product Features



- Three-phase automatic
- Balancing function
- Advanced measurement technology
- High control accuracy
- Resistance to harmonic interference
- Wide load range
- Slow start and shock resistance
- Full protection functions
- Voltage and current display

Product Specification				
Phase	Model	Rated Capacity (kVA)	Dimensions L*W*H(mm)	Weight (kg)
Single phase	ZBW-D-5KVA	5KVA	280*550*300	15
	ZBW-D-15KVA	15KVA	280*550*300	32
	ZBW-D-30KVA	30KVA	350*600*400	86
	ZBW-D-50KVA	50KVA	380*780*830	107
Three phase	ZBW-S-20KVA	20KVA	380*780*830	102
	ZBW-S-50KVA	50KVA	380*780*830	120
	ZBW-S-100KVA	100KVA	430*780*1170	198
	ZBW-S-200KVA	200KVA	550*940*1380	313

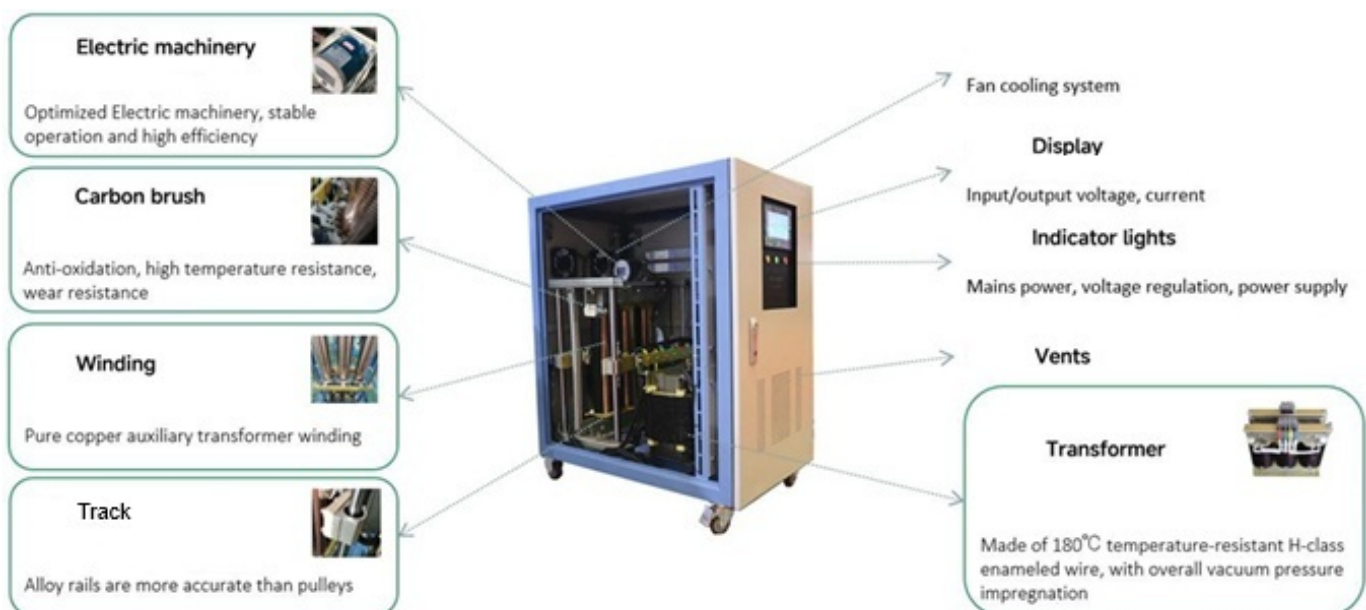


Product Overview

The fully automatic compensation power voltage stabilizer has the advantages of large capacity, high efficiency, small size, balanced voltage regulation, etc. It can automatically stabilize the output voltage, support manual/automatic mode switching, and is equipped with overvoltage, undervoltage, overcurrent, phase loss protection and automatic mechanical failure protection.



Product Process



Technical Parameters

Number of phases	Single-phase Three-phase	Rated capacity	Single-phase 10kVA~2000kVA Three-phase 10kVA~6000kVA
Input voltage	220V 380V (customizable)	Output voltage	220V 380V (customizable)
Frequency	50Hz/60Hz	Ground resistance	25A<100mΩ
Voltage regulation mode	Manual or automatic	Protection level	IP20 (customizable)
Voltage regulation accuracy	±(2% ~ 5%)(settable)	Insulation resistance	≥100MQ
Working efficiency	≥98%(0kVA) (power greater than 50kVA)	Overload capacity	Double rated current for 1 minute
Response time	<1.5s When input voltage changes by 10%	Design life	20 Year



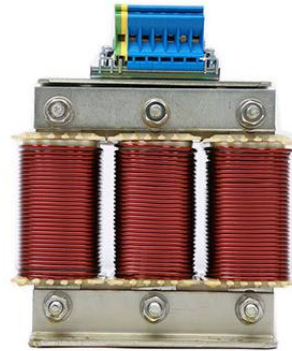
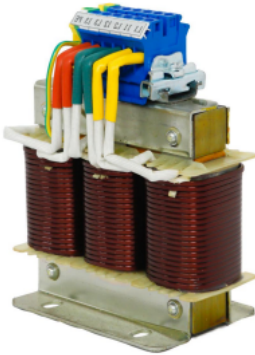
Product Overview

The single-phase automatic voltage regulator can provide a constant voltage output under changing input voltage and load current. The device consists of three basic components: transformer, load tap changer, and voltage regulator control. The voltage regulator has 32 adjustable gears, and the voltage regulation accuracy of each gear is 0.625%. It can automatically and smoothly adjust its output voltage.

Product Features

- High precision: 32 levels of voltage regulation can be achieved
- Long life: unique voltage regulation tap design to avoid arcing
- Large capacity: voltage regulation capacity can reach 25MVA
- Phase-splitting voltage regulation: solving three-phase imbalance
- 20 years maintenance-free: fully sealed design, high protection level

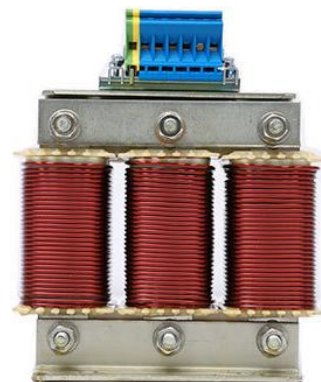
Technical Parameters			
Working power	AC110V or 220V	Pressure regulation accuracy	0.1-9.9%,STEP 0.1%
Rated frequency	50/60Hz	Delay time	5s-180s, step 1s
Sampling voltage	AC 100V/400V	Capacity	250KVA-2000KVA
Undervoltage	70%	Sampling voltage display	0-500V
Setting voltage	85V-460V,STEP 0.5V	Tap position display	32



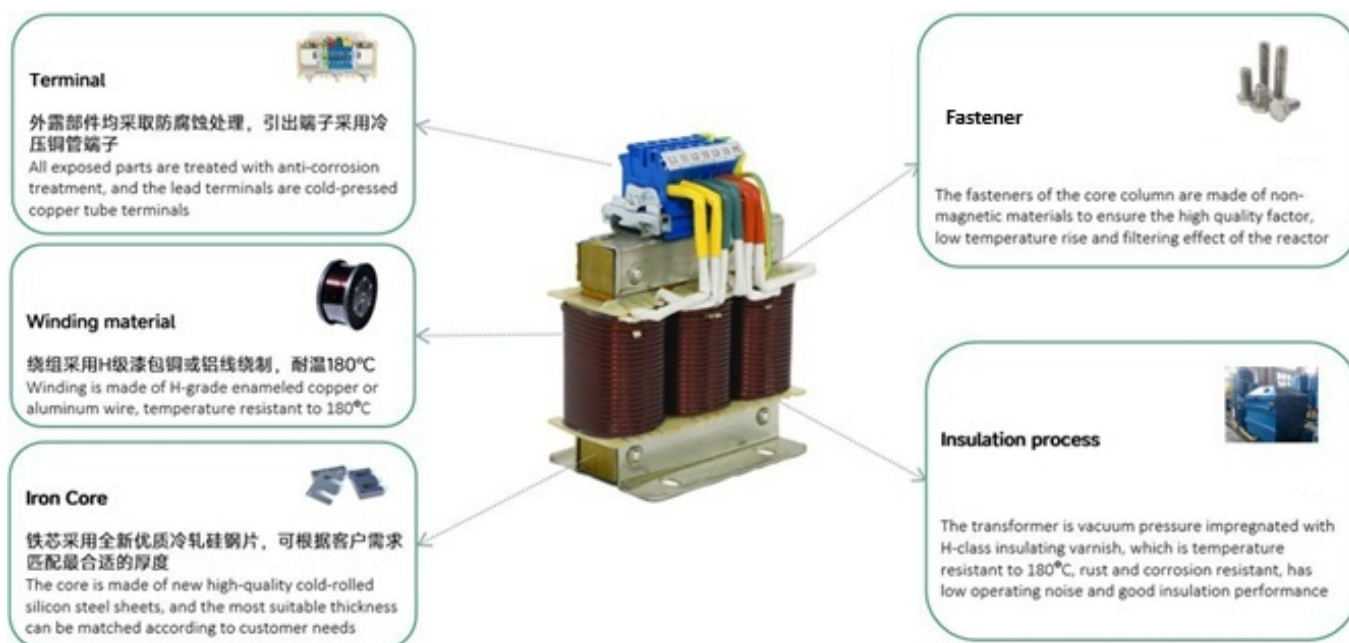
Reactors prevent current changes by increasing inductance, which can limit short-circuit current, improve the capacitance effect of unloaded or loaded lines and voltage distribution on long transmission lines, balance the reactive power in the line when loading, etc. They can also be used to store electrical energy, suppress surge current and harmonic current, etc.

Product Overview

The dry-type series reactor is connected in series with the power factor compensation capacitor to form a series resonance for steady-state harmonics. Usually, there are reactors with a reactance rate of 4.5~6%. For the 5th harmonic, the reactance rate is usually 6%, which is a high-inductance reactor. For the 3rd harmonic, the reactance rate is usually 12~13%. The series reactor is connected in series with the capacitor bank to form a reactive compensation device.



Product Process



Technical Parameters

Operating Voltage	400V、660V	Temperature rise	Iron core ≤85K, coil ≤95K
Reactance	1%、6%、12%	Altitude	<1000M
Power frequency plus harmonic current	≤1.35 times rated current	Sound Level	≤65dB(A)
Rated insulation level	3kV/min	Inductance	customizable

Product Overview

When AC asynchronous motors are started at rated voltage, the initial starting current often exceeds the rated current by many times (usually 5 to 7 times). In order to reduce the starting current, AC asynchronous motors are usually started by reducing the voltage. The commonly used voltage reduction method is to use a reactor or autotransformer. This product is designed according to the starting characteristics of high-voltage asynchronous motors and matches motor power of 220 to 1400kW.



Product Features

- Small size and weight: Compared with oil-immersed reactors, it has the characteristics of small size, light weight, simple structure, and easy installation.
- Low loss: When the temperature resistance level reaches H level (180°C), the core temperature rise is <85K, and the coil temperature rise is <95K
- Low noise: The core is vacuum cast with epoxy resin and high-quality silicon steel sheet end glue, which greatly reduces the noise of product operation (<50db)
- Strong insulation performance: The inside and outside of the coil are covered with epoxy glass mesh cloth and vacuum cast with epoxy resin, which has good insulation performance and high mechanical strength

Product specifications

Operating Voltage	6kV/10kV	Insulation resistance	>100MΩ
Frequency	50Hz/60Hz	Protection level	P20
Current	7A ~ 500A	Sound Level	≤65dB(A)
Insulation level	F/H	Ambient temperature	-15°C ~ +40°C
Temperature rise	Core temperature ≤85K	Dielectric strength	Winding-ground 3200VAC/50Hz/5mA/10S without arcing breakdown

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