



Quality-oriented, customer-centric

■ Stabilizer

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About Shangyu

Shenzhen Shangyu Electronic Technology Co., Ltd. was established in 2011 and is headquartered in Guangming New District, Shenzhen, Guangdong Province. Shangyu is the world's leading manufacturer of power equipment. R&D, design and manufacturing include UPS, precision air conditioners, and precision power distribution. Data center power equipment, refrigeration equipment and related technologies, and provide corresponding after-sales service. The company provides services to customers through its more than 30 agent points in 32 provinces, autonomous regions and municipalities across China.

Company honor

Shangyu Company is a national high-tech enterprise and one of the incubators of Shenzhen Science and Technology Innovation Commission. At the beginning of its establishment, the company has passed ISO9001 quality management system certification, ISO14001 environmental management system certification, and OHSAS180 occupational health and safety management system certification.

Shangyu Company has recently won the honorary title of "China Quality, Service, and Credit AAA Enterprise", which is the market's reaffirmation of Shangyu Company. In addition, by virtue of its outstanding performance in product quality, after-sales service, etc., Shangyu has successively won the "National Product and Service Quality Integrity Demonstration Enterprise", "National Electrical Equipment Industry Quality Leading Brand", and "Three honorary certificates including stable and qualified products in national quality inspection.

As a governing unit of the China Power Supply Association, Shangyu's products have passed the Tyre certification. The company's independent research and development and production of modular UPS CPY series and green, high-efficiency and energy-saving HP series high-frequency UPS won the "Data Center Excellent Product Award".

In 2015 alone, Shangyu Company submitted applications to the National Patent Office for more than 20 patent certificates, and the software group of the company's R&D department combined with the software part of the product applied to the National Copyright Office for 15 software copyrights, and they were unanimously approved.



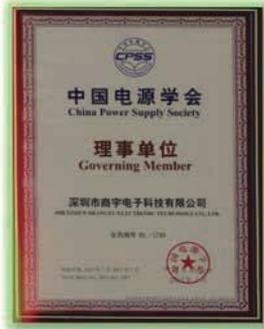
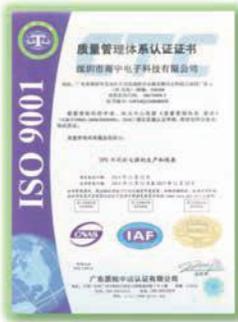
Industry Application

Shangyu's products are widely used in government, medical and health, finance, communications, education, radio and television, energy, military and other industries, providing efficient and reliable power guarantee for many national key engineering projects.

So far, Shangyu products have obtained many provincial-level or One of the winning bidders for the municipal government agreement supply; at the same time, the company's products are shortlisted in the financial industry, national tax system, radio and television industry, rookie network in the Internet industry, Best Logistics in the logistics industry, Kaiyuan Group and other unified procurement agreement suppliers.

Advantage

1. Forward-looking design and development capabilities
Shangyu can develop corresponding solutions for different customer needs.
2. With mature supporting capabilities, Shangyu power products, computer room air-conditioning products and Shangyu software can achieve perfect matching, so that customers can obtain the best economic benefits.
3. Advanced production quality control technology, the company earnestly implements ISO9001 quality system certification, quality starts from the source of production, strictly controls the production process, adds a number of inspection process procedures and equipment, and improves the pass rate of Shangyu products.
4. Bulk purchasing capability. With the continuous expansion of Shangyu's market scale, raw materials have formed a bulk purchase scale, which reduces the cost of production materials for Shangyu products, thereby providing customers with cost-effective products.



历史
荣誉
Corporate
Honors

Substantial
Accomplishment

Fruitful Harvest

Honor confirms our glory yesterday, records our gains today, and confirms our new starting point for tomorrow.

With a responsible attitude to society and consumers, Shangyu passed the ISO9001 international quality system certification, ISO14001 environmental system certification, and OHSAS18001 occupational health system certification as early as 2010.

At the same time, Shangyu Company has won many national, provincial and municipal awards for its excellent product quality and good reputation. Product awards, etc. Its products have passed TLC certification, CQC certification, CE certification, ROHS certification, radio and television network license, etc.



Shangyu's Clients

Since its establishment, Shangyu Company has taken solving customer problems, enhancing customer value, and win-win with customers as the foundation of the company. With the spirit and actions of professional services, it has won the respect and recognition of customers and friends, and has contributed to its own UPS industry. The road of leadership has laid a solid foundation.



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北京大学深圳医院
成都空军机关医院
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A TND/TNS Series Tactile AC voltage stabilizer

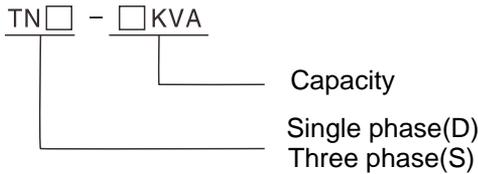


TND/TNS Series Tactile AC voltage stabilizer

The TND series single-phase contact AC voltage stabilizer is composed of a servo motor, a control circuit, and an auto-voltage regulator (or a compensation transformer). It has small size, light weight, high efficiency, wide voltage regulation range, and no waveform distortion. And other advantages. It is equipped with functions such as overvoltage (undervoltage) protection, delay (selection) protection, and fault protection. It has two-way voltage indication, complete functions, safe and reliable. It is widely used in household electricity, industrial and agricultural production, scientific research and medical and health fields.

Scope of use: suitable for computer network engineering equipment, household appliances, medical equipment, scientific research units, measurement equipment, factory calibration benches and other equipment supporting use.

Model meaning



TND-3000VA Pointer display



Single phase Tactile AC voltage stabilizer

Item	Model	TND-3KVA
Rated Capacity		3KVA
Input Voltage Range		160~250V
Rated Output voltage		220V±3%
Adjust time		<1s
Rated Current		12A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		246V±4V
Packing size(mm)		540*375*335

TND-5KVA Pointer display



Single phase Tactile AC voltage stabilizer

Item	Model	TND-5KVA
Rated Capacity		5KVA
Input Voltage Range		160~250V
Rated Output voltage		220V±3%
Adjust time		<1s
Rated Current		20A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		246V±4V
Packing size(mm)		575*375*365

TND-10KVA Pointer display



Single phase Tactile AC voltage stabilizer

Item	Model	TND-10KVA
Rated Capacity		10KVA
Input Voltage Range		160~250V
Rated Output voltage		220V±3%
Adjust time		<1s
Rated Current		40A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		246V±4V
Packing size(mm)		370*360*630

TND-15KVA Pointer display



Single phase Tactile AC voltage stabilizer

Item	Model	TND-15KVA
Rated Capacity		15KVA
Input Voltage Range		160~250V
Rated Output voltage		220V±3%
Adjust time		<1s
Rated Current		60A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		246V±4V
Packing size(mm)		440*340*830

TND-20KVA Pointer display



Single phase Tactile AC voltage stabilizer

Item	Model	TND-20KVA
Rated Capacity		20KVA
Input Voltage Range		160~250V
Rated Output voltage		220V±3%
Adjust time		<1s
Rated Current		80A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		246V±4V
Packing size(mm)		440*340*830

TND-30KVA Pointer display



Single phase Tactile AC voltage stabilizer

Item	Model	TND-30KVA
Rated Capacity		30KVA
Input Voltage Range		160~250V
Rated Output voltage		220V±3%
Adjust time		<1s
Rated Current		120A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		246V±4V
Packing size(mm)		450*400*910

TNS-9KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-9KVA
Rated Capacity		9KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		12A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		380*370*820

TNS-15KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-15KVA
Rated Capacity		15KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		20A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		480*420*920

TNS-20KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-20KVA
Rated Capacity		20KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		30A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		480*420*920

TNS-30KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-30KVA
Rated Capacity		30KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		40A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		540*510*1050

TNS-40KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-40KVA
Rated Capacity		40KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		52A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		710*640*1230

TNS-50KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-50KVA
Rated Capacity		50KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		65A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		710*640*1230

TNS-60KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-60KVA
Rated Capacity		60KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		80A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		710*640*1230

TNS-90KVA Pointer display



Three phase Tactile AC voltage stabilizer

Item	Model	TNS-90KVA
Rated Capacity		90KVA
Input Voltage Range		280~430V
Rated Output voltage		380V±4%
Adjust time		≤0.5s
Rated Current		120A
Ambient temperature		-5°C~+40°C
Overvoltage protection value		426V±4V
Packing size(mm)		850*730*1400

B S(D)BW Series

High-power compensating voltage stabilizer

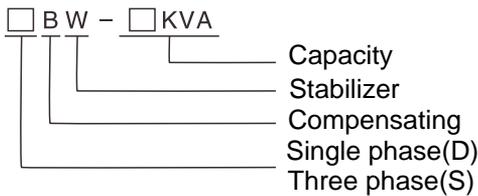


S(D)BW Series High-power compensating voltage stabilizer

The S(D)BW series of high-power compensating power regulators are a new generation of energy-saving regulators developed and produced by the company on the basis of similar international products and combining with my country's national conditions. Due to its unique design, the voltage stabilizer has the characteristics of large capacity, high efficiency, wide voltage range, high precision, strong protection function, no distortion, small size, light weight, reliable operation, simple operation and maintenance. These are unmatched by other types of regulators.

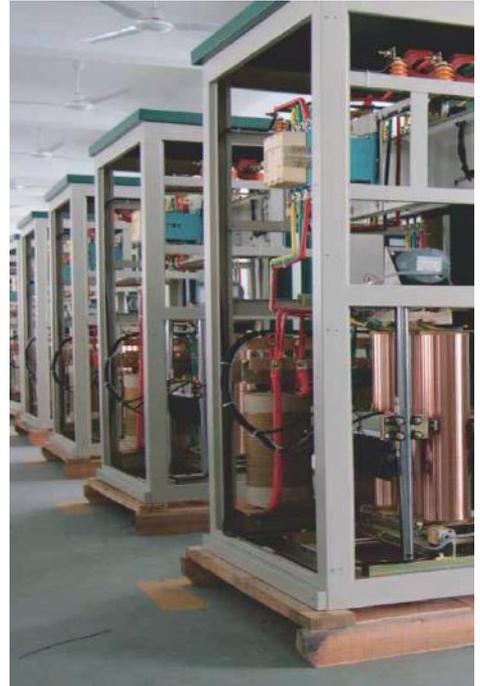
Scope of use: This series of voltage stabilizers are widely used in industrial and mining enterprises, post and telecommunications systems, railways, construction sites, schools, hospitals, hotels, national defense units, scientific research institutions and other departments. AC voltage stabilizers used in electronic computers, precision machine tools, computed tomography (CT), precision instruments, experimental devices, elevators, imported equipment and production lines. At the same time, it is also suitable for low-voltage power distribution end users with low power supply voltage and large fluctuations and electrical equipment with large load changes, such as elevators, crane mixers and other places that require voltage stability.

Model meaning



Main technical parameters

Item	Model	SBW-20-2000kVA、DBW-20-500kVA
Input voltage		Phase voltage 176-264V, Line voltage 304-456V
Input phase		Three phase four wires+PE
Input frequency		50Hz
Output voltage		Phase voltage 220V, Line voltage 380V
Stabilization accuracy		220V ± 3%
Overvoltage protection value		Output line voltage 426V±7%
Undervoltage protection value		Output line voltage 320V±4%
Overload protection value		Greater than rated input current
Mains bypass function		Yes, it has
Display mode		Liquid product (LCD) display, digital tube LED) display, pointer meter display



DBW-20~100KVA(Pointer)



SBW-30~100KVA(Pointer)



SBW-30~100KVA (LCD)



SBW-30~100KVA (LED)



SBW-150~300KVA (LED)



SBW-350~500KVA(Pointer)



DBW-600~1000KVA(Pointer)



Conditions of use

- 1) Ambient temperature: $-15^{\circ}\text{C}\sim+40^{\circ}\text{C}$;
- 2) The altitude does not exceed 1000 meters
- 3) Relative humidity: The average relative humidity of the wettest month is 90%, and the monthly average minimum temperature of the month is 25°C ;
- 4) The installation site should be free of gas, steam, chemical precipitation, dust, dirt and other explosive and corrosive media that seriously affect the insulation of the stabilized power supply
- 5) There should be no severe vibration or bumps in the installation site

Note: Any special use conditions that do not meet the above regulations should be determined by the user directly through consultation with our company.

Introduction to working principle

The voltage stabilizer is composed of several major modules such as compensation module, AD sampling module, single-chip control module, step-up/step-down operation module, system power supply module and LCD display module, the principle is shown in Figure (1).

Figure (1) Block diagram of the working principle of the voltage stabilizer

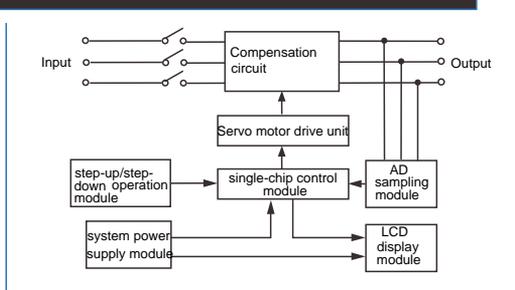
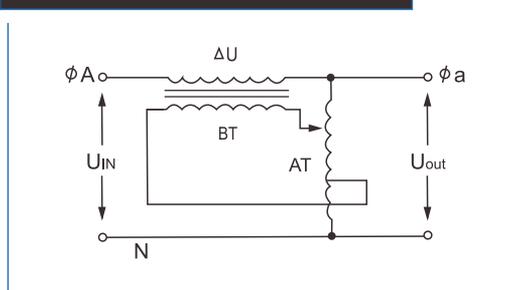


Figure (2) Working principle diagram of compensation module



Main Specifications

Model NO.	Rated capacity(KVA)	Product size(cm)	Input voltage(V)	Output voltage(V)	Output current(A)	Frequency(Hz)
SB W- 30 KV A	30	76 x53 .5x 12 8	304 -45 6	38 0	46	50 /60
SB W- 50 KV A	50	76 x53 .5x 12 8	304 -45 6	38 0	76	50 /60
SB W- 60 KV A	60	76 x53 .5x 12 8	304 -45 6	38 0	76	50 /60
SB W- 80 KV A	80	84 .5x 64 .5x 14 3	304 -45 6	38 0	15 2	50 /60
SB W- 100 KV A	100	84 .5x 64 .5x 14 3	304 -45 6	38 0	15 2	50 /60
SB W- 150 KV A	150	99 .5x 74 .5x 17 5	304 -45 6	38 0	22 8	50 /60
SB W- 200 KV A	200	104 x79 .5x 17 5	304 -45 6	38 0	30 4	50 /60
SB W- 250 KV A	250	104 x79 .5x 17 5	304 -45 6	38 0	38 0	50 /60
SB W- 300 KV A	300	120 x90 x20 0	304 -45 6	38 0	45 6	50 /60
SB W- 350 KV A	350	120 x90 x20 0	304 -45 6	38 0	53 2	50 /60
SB W- 400 KV A	400	120 x90 x20 0	304 -45 6	38 0	60 8	50 /60
SB W- 500 KV A	500	130 x105 x21 5	304 -45 6	38 0	76 0	50 /60
SB W- 600 KV A	600	130 x105 x21 5	304 -45 6	38 0	91 2	50 /60
SB W- 800 KV A	800	(130 x100 x200)x2	304 -45 6	38 0	121 6	50 /60
SBW- 1000 KV A	1000	(130 x100 x200)x2	304 -45 6	38 0	152 0	50 /60
DBW- 20 KV A	20	76 x53 .5x 12 8	176 -26 4	22 0	90	50 /60
DBW- 30 KV A	30	76 x53 .5x 12 8	176 -26 4	22 0	13 6	50 /60
DBW- 50 KV A	50	76 x53 .5x 12 8	176 -26 4	22 0	22 7	50 /60
DBW- 60 KV A	60	76 x53 .5x 12 8	176 -26 4	22 0	22 7	50 /60
DBW- 80 KV A	80	84 .5x 64 .5x 14 3	176 -26 4	22 0	45 4	50 /60
DBW- 100 KV A	100	84 .5x 64 .5x 14 3	176 -26 4	22 0	45 4	50 /60

Note: If you have special requirements, please contact us, we will design separately according to your requirements.