稳压器产品手册
Catalog Of
Voltage Stabilizer



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COOPERATIVE PARTNER

合作伙伴

中国电建 POWERCHINA

中国中铁

Haier 海尔

美的 Midea

COSCO SHIPPING 中远海运 COSCO SHIPPING

南開大學 Nankai University

浙江大學 ZHEJIANG UNIVERSITY

西安交通大學 XI'AN JIAOTONG UNIVERSITY

GREE 格力

中国移动 China Mobile

HUAWEI

Lenovo 联想

大连理工大学 Dalian University Of Technology

北京大學 PEKING UNIVERSITY

北京理工大學 BEIJING INSTITUTE OF TECHNOLOGY

江蘇大學 Jiangsu University

*排名不分先后，因合作客户过多，以上只列举部分品牌

The ranking is not in any order. Because there are too many cooperative customers, only some brands are listed above



TKR Single-phase Electronic Regulator Series

TKR单相电子式稳压器系列



概述 General

- 我司是专业生产工业、商业、家用等全自动交流稳压器的厂家，产品外观设计豪华、性能稳定、深受欧美市场青睐，公司技术力量雄厚，设备精良，检测手段先进，质量性能在同类产品中属领先水平。

  Our company is specialized in producing industrial, commercial, household and other automatic AC voltage regulators. The products are luxurious in design and stable in performance. They are favored by European and American markets. The company has strong technical strength, excellent equipment, advanced testing methods and quality performance in the same category. The product is at the leading level.

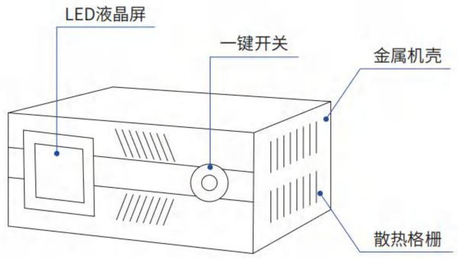
- PC（程控电脑化）系列稳压器，是我公司率先选用美国芯片，利用电脑数字化程序来控制整机的功能运行，改进了以往模拟式稳压器的诸多缺点，使产品的品质更可靠，性能更稳定，功能更强大。PC（程控电脑化）系列稳压器是我公司在多年生产JZW、TM、SVC、TSD系列稳压器的基础上，广泛开展市场调研，并汇集广大技术人员的智慧和心血，通过不断的改革和创新，推出的一款具有低能耗、过电压保护、欠电压保护、过功率保护、过温度保护、漏电保护等多种保护功能集一体及选择性延时、抗冲击、LED多显示、集节能与环保等诸多新技术于一机全新概念的豪华型新产品。本系列稳压电源使用面广、适应性强，是智能家用电器、工业控制设备、各类电子仪器仪表等可靠工作及安全保护的理想选择！其自身耗电极小，可长时间连续使用。

  PC (programmed computerized) series regulators are our company's first choice of US chips, using computerized digital programs to control the function of the whole machine, improving the shortcomings of the past analog voltage regulators, making the quality of products more reliable. More stable performance and more powerful features. PC (programmed computerized) series regulators are based on the company's production of JZW, TM, SVC, TSD series regulators for many years, extensive market research, and the wisdom and efforts of the vast number of technical personnel, through continuous reform And innovation, launched a low energy consumption, over voltage protection, under voltage protection, over power protection, over temperature protection, leakage protection and other protection features integrated and selective delay, impact resistance, LEDdisplay, set A new luxury product with a new concept of energy saving and environmental protection.This series of regulated power supply is widely used and adaptable. It is an ideal choice for reliable work and safety protection of smart household appliances, industrial control equipment, various electronic instruments and meters! Its own consumption of small electrodes, can be used continuously for a long time.

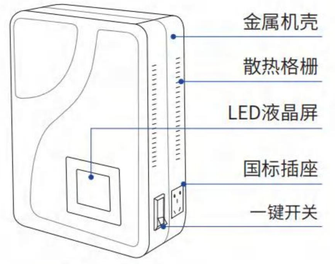
功能特点 Main features

超宽范围输入电压	Ultra-wide range input voltage
多种开/关机方式选择	Multiple on/off mode selection
标准输出电压	Standard output voltage
过电压保护	Overvoltage protection
欠电压保护	Undervoltage protection
过载提示	Overload prompt
过载保护	Overload protection
过温保护	Over temperature protection
多选择电源控制方式	Multi-select power control mode
蜂鸣器状态提示、保护告警提示	Buzzer status prompt, protection alarm prompt
LED输入电压数字显示	LED input voltage digital display
LED输出电压数字显示	LED output voltage digital display
LED负载使用率百分比数字显示	LED load usage percentage digital display
LED状态提示显示	LED status prompt display
LED保护信息显示	LED protection information display
LED延时、计时、计次显示	LED delay, timing, counting display
程控变换7彩亮字型（单色字型）LED显示	Program control conversion 7 color bright type (monochrome font) LED display
多状态告警提示	Multi-state alarm prompt

产品解析 Product analysis

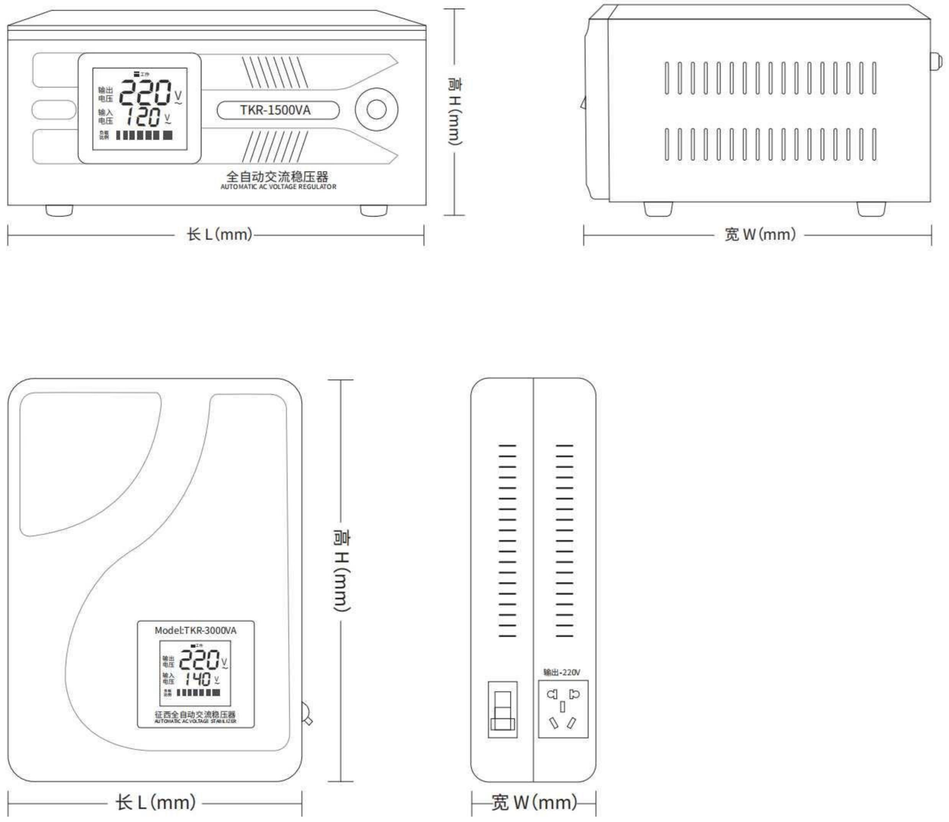


TKR-1500VA



TKR-3000VA

外观尺寸 Appearance of size



产品型号 Product model	输入电压 Input voltage	输出电压 Output voltage	尺寸 (mm) 长x宽x高L x W x H
TKR-1500VA	105V~270V	220V±3%	230*195*113
TKR-2000VA	105V~270V	220V±3%	230*195*113
TKR-3000VA	140V~260V	220V±3%	290*220*160
TKR-5000VA	140V~260V	220V±3%	290*220*160

技术参数 Main technical parameter

型　号 model	TKR系列 TKR series
波形失真 Waveform distortion	无附加波形失真 No additional waveform distortion
工作频率 Working frequency	50/60HZ
绝缘电阻 Insulation resistance	≥2Ω
输出延时时间 Output delay time	5秒 5s
输出过载提示 Output overload prompt	超出额定输出容量之100% Exceeding 100% of rated output capacity
输出过载保护 Output overload protection	超出额定输出容量之120% Exceeding 120% of rated output capacity
输出过压保护 Output overvoltage protection	＞AC 244±4V
输出欠压保护 Output undervoltage protection	(可选) (optional)
机内过热保护 In-machine overheat protection	变压器线包温度:120±5°C Transformer line package temperature: 120±5°C
LED输入显示范围 LED input display range	0-450V（溢出范围显示:Err） 0-450V (overflow range display: Err)
LED输出显示范围 LED output display range	0-450V（溢出范围显示:000） 0-450V (overflow range display: 000)
LED负载显示范围 LED load display range	000-119%（溢出范围显示:OVL） 000-119% (overflow range display: OVL)
LED状态提示显示 LED status prompt display	延时;正常;保护 Delay; normal; protection
LED保护信息显示 LED protection information display	过压;欠压;超载;超溢; Overpressure; undervoltage; overload; overfill;
LED背光源 LED backlight	程控变换7彩亮字型/固定7彩中某一色 Program-controlled transformation 7 color bright font / fixed 7 color in a certain color
LED视角 LED viewing angle	时钟6:00 Clock 6:00
电源控制方式 Power control mode	传统ON/OFF;新型自锁ON/OFF;新型轻触ONE/SHOT Traditional ON/OFF; new self-locking ON/OFF; new touch ONE/SHOT
保护提示 Protection prompt	蜂鸣器(可选） Buzzer (optional)
延时提示 Delay display	5秒钟/255秒倒计时 5 seconds / 255 seconds countdown
调整时间 Adjust the time	≤1s [当输入电压变化20V时] When the input voltage change 20 v

SVC Wall mounted voltage stabilizer

SVC壁挂式稳压器



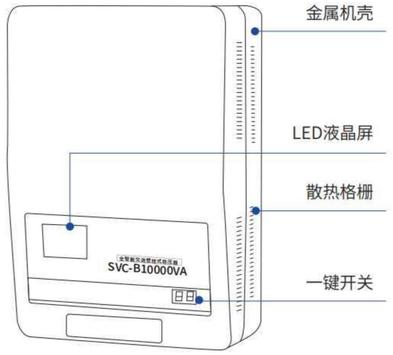
产品概述 Product profile

- SVC壁挂式稳压器具有波形不失真、体积小、重量轻、效率高、使用方便可靠、能长期运行等特点，可广泛应用于任何用电场所，是一种极为理想的稳压电源。
  SVC wall mount regulator which has on waveform distortion, small body.light weight, high efficiency,available and convenient use,and long time operation and so on. And also can be used for many equipments, amdis one of moreideal votage stabilizer.

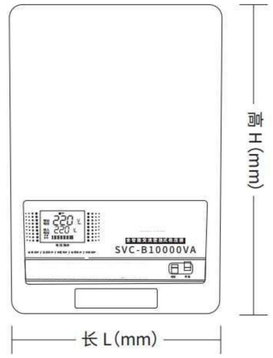
使用范围 Scope of application

- 空调、计算机、测试设备、照明系统、射线设备、医疗设备、复印机、立体声音响设备、数控机床、工业自动化设备、彩色冲晒设备、检验设备、设备。
  Air conditioning, Computer, Test equipment, Lighting equipment, Alarm and security system, X-ray equipmen, Medical equipment, duplicator, Broadcastiong equipment, Nimeric control machine tool Industrial robot Photographic pricessing equipment Laboratory Instrument Hi-F Hi-Fi equipment.

产品解析 Product analysis



外观尺寸 Appearance of size



产品型号 Product model	输入电压 Input voltage	输出电压 Output voltage	尺寸(mm) 长x宽x高L x W x H
SVC-B10KVA(常规款)	140V~260V	220V±3%	300*440*195
SVC-B10KVA(低压款)	110V~260V	220V±3%	300*440*195
SVC-B12KVA(常规款)	140V~260V	220V±3%	300*440*195
SVC-B12KVA(低压款)	110V~260V	220V±3%	300*440*195

技术参数 Main technical parameter

频　率 frequency	50HZ/60HZ
功率因数 The power factor	0.8
工作温度 Working temperature	-10°C~49°C
调整时间 Adjust the time	≤1s[当输入电压变化20V时] When the input voltage change 20 v
相　数 Phase	单相 Single
效　率 Effciencv	≥95%
相对湿度 Relative humidity	＜90%
波形失真 Waveform disortion	无附加波形失真 NO-lack distortion in waveform
绝缘电阻 Insulation resistance	≥5Ω
输出过压保护 OUTput over-voltage protection	AC 246±4V
特殊说明 Special instructions	适用所有城镇家庭 Apply to all urban households

TND Single-phase voltage regulator

TND单相稳压器



产品概述 Product profile

TND系列单相高精度全自动交流稳压器，是由接触式自耦调压器、伺服电动机、自动控制电路等组成，当电网电压不稳定或负载变化时，自动采样控制电路发出信号驱动伺服电机，调整自耦调压器碳刷的位置，使输出电压调整到额定值并达到稳定状态。

TND series single-phase high-precision automatic AC voltage regulator is composed of contact type auto-coupling voltage regulator, servo motor and automatic control circuit. When the grid voltage is unstable or the load changes, the automatic sampling control circuit sends a signal to drive the servo. The motor adjusts the position of the auto-coupler carbon brush to adjust the output voltage to the rated value and reach a steady state.

TND5系列高精度交流稳压器，有市电直通功能。具有品种多、规格全、外观美等优点。具有波形不失真，效率高，性能可靠，可长期运行等优点，设有短延时、过压等保护功能，根据用户的需求可增设长延时与欠压保护功能。产品可广泛应用于任何用电场所，是一种理想的稳压电源，确保您的用电设备正常运行。适用于办公设备、测试设备、医疗设备、工业自动化设备、家用电器、照明系统、通讯系统等。

TND3 series high-precision AC voltage regulator has the function of direct power supply. It has many advantages such as variety, full specifications and beautiful appearance. It has the advantages of no waveform distortion, high efficiency, reliable performance, long-term operation, etc. It has short delay, overvoltage and other protection functions. It can add long delay and undervoltage protection according to the needs of users. The product can be widely used in any place of electricity, it is an ideal regulated power supply to ensure the normal operation of your electrical equipment.Suitable for office equipment, test equipment, medical equipment, industrial automation equipment, household appliances, lighting systems, communication systems, etc.

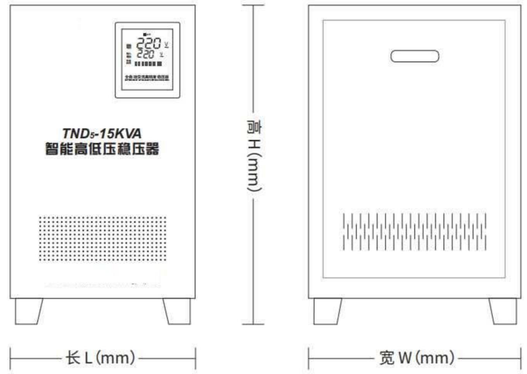
功能特点 Main features

超宽范围输入电压	Ultra-wide range input voltage
多种开/关机方式选择	Multiple on/off mode selection
标准输出电压	Standard output voltage
过电压保护	Overvoltage protection
欠电压保护	Undervoltage protection
过载提示	Overload prompt
过载保护	Overload protection
过温保护	Over temperature protection
多选择电源控制方式	Multi-select power control mode
蜂鸣器状态提示、保护告警提示	Buzzer status prompt, protection alarm prompt
LED输入电压数字显示	LED input voltage digital display
LED输出电压数字显示	LED output voltage digital display
LED负载使用率百分比数字显示	LED load usage percentage digital display
LED状态提示显示	LED status prompt display
LED保护信息显示	LED protection information display
LED延时、计时、计次显示	LED delay, timing, counting display
程控变换7彩亮字型（单色字型）LED显示	Program control conversion 7 color bright type (monochrome font) LED display
多状态告警提示	Multi-state alarm prompt

产品解析 Product analysis



外观尺寸 Appearance of size



技术参数 Main technical parameter

频　率 frequency	50HZ/60HZ
过压保护 Over voltage protection	输出电压246V±4V Output voltage 246V ± 4V
欠压保护 Undervoltage protection	输出电压186V±4V,一般不设置欠压保护 Output voltage 186V±4V, generally does not set undervoltage protection
功率因数 Load power factor	0.8
调整时间 Adjust the time	≤1s[当输入电压变化20V时] When the input voltage change 20 v
波形失真 Waveform distortion	无附加波形失真 NO-lack distortion in waveform
抗电强度 Dielectric strength	1500V/1min
绝缘电阻 Insulation resistance	单相＞5MΩ Single phase >5MΩ
绝缘等级 Insulation class	E级 Class E
使用环境 Use environment	温度-10%-+40%,湿度:＜95% Temperature -10% -+40%, humidity: <95%
效　率 effectiveness	＞95%
温　升 Temperature rise	小于60℃ Less than 60 ℃

产品型号 Product model	输入电压 Input voltage	输出电压 Output voltage	尺寸(mm)长x宽x高L x W x H
TND-1KVA	140V~260V	220V±3%	210*198*165
TND-1.5KVA	140V~260V		210*198*165
TND-2KVA	140V~260V		255*240*220
TND-3KVA	140V~260V		234*290*235
TND5-5KVA(常规款)	140V~260V		350*244*262
TND5-5KVA(低压款)	90V~260V		350*244*262
TND5-10KVA(常规款)	140V~260V		340*315*540
TND5-10KVA(低压款)	110V~260V		340*315*540
TND5-15KVA(常规款)	140V~300V		400*350*610
TND5-15KVA(低压款)	110V~300V		400*350*610
TND5-20KVA(常规款)	140V~300V		400*350*610
TND5-20KVA(低压款)	110V~300V		400*350*610
TND5-30KVA(常规款)	140V~300V		400*350*780
TND5-30KVA(低压款)	110V~300V		400*350*780
TND5-40KVA(常规款)	140V~300V		400*350*780
TND5-40KVA(低压款)	110V~260V		550*455*1150
TND5-50KVA(低压款)	110V~260V		550*455*1150
TND5-60KVA(低压款)	110V~260V		550*455*1150

TNS/SJW Three phase voltage regulator

TNS/SJW三相稳压器



产品概述 Product profile

TNS/SJW系列单、三相高精度全自动交流稳压器，是由接触式自耦调压器、伺服电动机、自动控制电路等组成，当电网电压不稳定或负载变化时，自动采样控制电路发出信号驱动伺服电机，调整自耦调压器碳刷的位置，使输出电压调整到额定值并达到稳定状态。本系列稳压器，有市电直通功能。具有品种多、规格全、外观美等优点。具有波形不失真，效率高，性能可靠，可长期运行等优点，设有短延时、过压等保护功能，根据用户的需求可增设长延时与欠压保护功能。产品可广泛应用于任何用电场所，是一种理想的稳压电源，确保您的用电设备正常运行。

TNS/SJW series single and three-phase high-precision automatic AC voltage regulator is composed of contact type autoregulator, servo motor and automatic control circuit. When the grid voltage is unstable or the load changes, the automatic sampling control circuit Send a signal to drive the servo motor, adjust the position of the auto-coupler carbon brush, adjust the output voltage to the rated value and reach a steady state. This series of regulators has a mains pass-through function. It has many advantages such as variety, full specifications and beautiful appearance. It has the advantages of no waveform distortion, high efficiency, reliable performance, long-term operation, etc. It has short delay, overvoltage and other protection functions. It can add long delay and undervoltage protection according to the needs of users. The product can be widely used in any place of electricity, it is an ideal regulated power supply to ensure the normal operation of your electrical equipment.

TNS/SJW系列高精度全自动三相交流稳压电源，由单相TND系列高精度自动稳压电源组合而成，三相分相调节，保证各相电压稳定安全，电网输入为三相四线制，星形(Y形)接法，输出可用三相四线制或三相三线制，由三只电流表分别指示各相的输出电流，由一只转换开关和一只电压表换档检测各相输出线电压。

TNS/SJW series high-precision automatic three-phase AC regulated power supply is composed of single-phase TND series high-precision automatic regulated power supply. Three-phase phase-phase adjustment ensures stable and safe voltage of each phase. The grid input is three-phase four-wire. System, star (Y-shaped) connection, the output can be used three-phase four-wire system or three-phase three-wire system, three current meters respectively indicate the output current of each phase, and one converter switch and one voltmeter shift detection Phase output line voltage.

适用范围 Scope of application

CNC加工中心	CNC machining center
SMT贴片机设备	SMT placement machine equipment
PCB钻孔机	PCB drilling machine
激光切割机	Laser cutting machine
CT医疗设备	CT medical equipment
印刷机	Printing machine
火花机	Spark machine
数控冲床	CNC punch
各种工业生产设备	Various industrial production equipment

产品解析 Product analysis

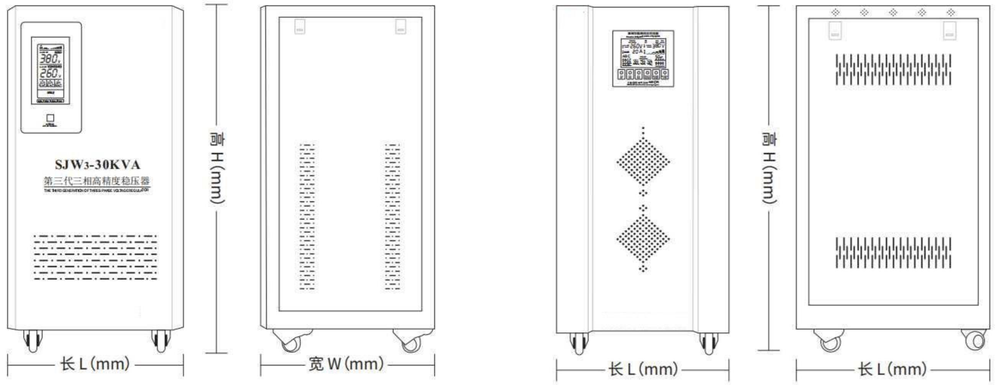


SJW3-30KVA



TNS6-30KVA

外观尺寸 Appearance of size



技术参数 Main technical parameter

频　率 frequency	50HZ/60HZ
过压保护 Over voltage protection	输出电压430±4V Output voltage 430 ± 4V
欠压保护 Undervoltage protection	输出电压320V±4V，一般不设置欠压保护 The output voltage is 320V±4V, generally does not set undervoltage protection
功率因数 Load power factor	0.8
调整时间 Adjust the time	输入电压变化10%时＜1秒 The input voltage change 10% when < 1 second
波形失真 Waveform distortion	无附加波形失真 NO-lack distortion in waveform
抗电强度 Dielectric strength	1500V/1min
绝缘电阻 Insulation resistance	三相＞2MΩ No additional waveform distortion
绝缘等级 Insulation class	E级 Class E
使用环境 Use environment	温度-10%-+40%,湿度：＜95% Temperature -10% -+40%, humidity: <95%
效　率 effectiveness	＞95%
温　升 Temperature rise	小于60℃ Less than 60 ℃

产品型号 Product model	输入电压 Input voltage	输出电压 Output voltage	尺寸 (mm) 长x宽x高L x W x H
SJW-1500VA	260V~450V	380V±3%	485*320*170
SJW-3000VA	260V~450V		485*320*170
SJW-4500VA	260V~450V		485*320*170
SJW3-6KVA	260V~450V		275*307*673
SJW3-10KVA	260V~450V		320*490*520
SJW3-15KVA	260V~450V		320*490*520
SJW3-20KVA	260V~450V		320*490*520
SJW3-30KVA	260V~450V		415*460*880
SJW3-40KVA	260V~450V		415*460*880
SJW3-50KVA	260V~500V		450*550*1200
SJW3-60KVA	260V~500V		450*550*1200
SJW3-80KVA	260V~500V		520*620*1340
SJW3-100KVA	260V~500V		520*620*1340
SJW3-120KVA	260V~500V		520*620*1340
TNS6-15KVA	260V~450V		490*320*520
TNS6-20KVA	260V~450V		490*320*520
TNS6-30KVA	260V~450V		470*415*880
TNS6-40KVA	260V~450V		470*415*880
TNS6-50KVA	260V~500V		560*450*1195
TNS6-60KVA	260V~500V		560*450*1195
TNS6-80KVA	260V~500V		630*500*1345
TNS6-100KVA	260V~500V		630*500*1345
TNS6-120KVA	260V~500V		630*500*1345

SBW Automatic compensated power voltage stabillizer

SBW 大功率稳压器系列



产品概述 Product profile

SBW大功率稳压器采用国际先进的补偿技术设计制造。当电网电压波动或负载电流变化时，能自动保持编出电压稳定，以保障用电设备正常运行。与其它型式的稳压器相比较，具有容量大、效率高、无波形畸变，使用维护简便、运行可靠，在输入电压范围低端时仍能全容量输出。具有过压、过流、开机相序等保护。

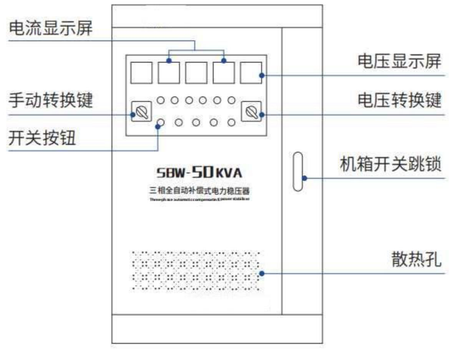
SBW high-power voltage stabilizer is designed and manufactured with international advanced compensation technology. When the grid voltage fluctuates or the load current changes, it can automatically keep the programmed voltage stable to ensure the normal operation of the electrical equipment. Compared with other types of rental voltage stabilizers, it has large capacity, high efficiency, no waveform distortion, easy to use and maintain, reliable operation, and can still output at full capacity when the input voltage range is low. With over-voltage, over-current, start-up phase sequence and other protection.

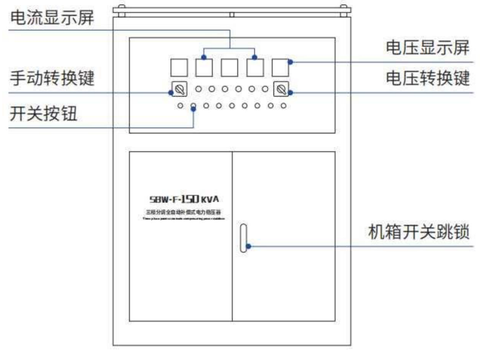
适用范围 Scope of application

适用于小型工厂全厂、大、中型工矿企业车间、部门供电、可广泛用于工矿企业、油田、铁路、建筑工地、学校、医院、宾馆、科研等部门的精密机床、精密仪器、试验装置、电梯、进口机电设备及生产流水线设备稳压，也适用于电源电压低，波动幅度大的低压电网末端的用户。

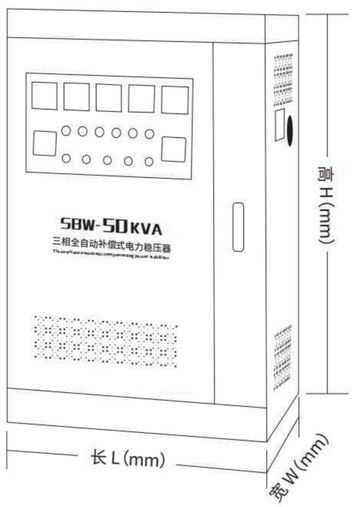
It is suilable for electric supply in small—sized plant, workshop and ,deparment inmiddle, large—sizde mining enterprise,it can be widely used in the precision machine tool, precision instrument, test device, elevator, imported electromechanical device, production flow-line in the mining en-erprise, oil field. railway, building site, school, hospital, hotel,scientificresearch department and so on, it is also suitable for the user in the LV electric network end with low power voltage and big wave range.

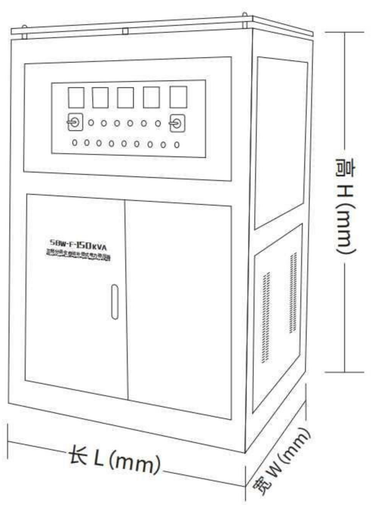
产品解析 Product analysis





外观尺寸 Appearance of size

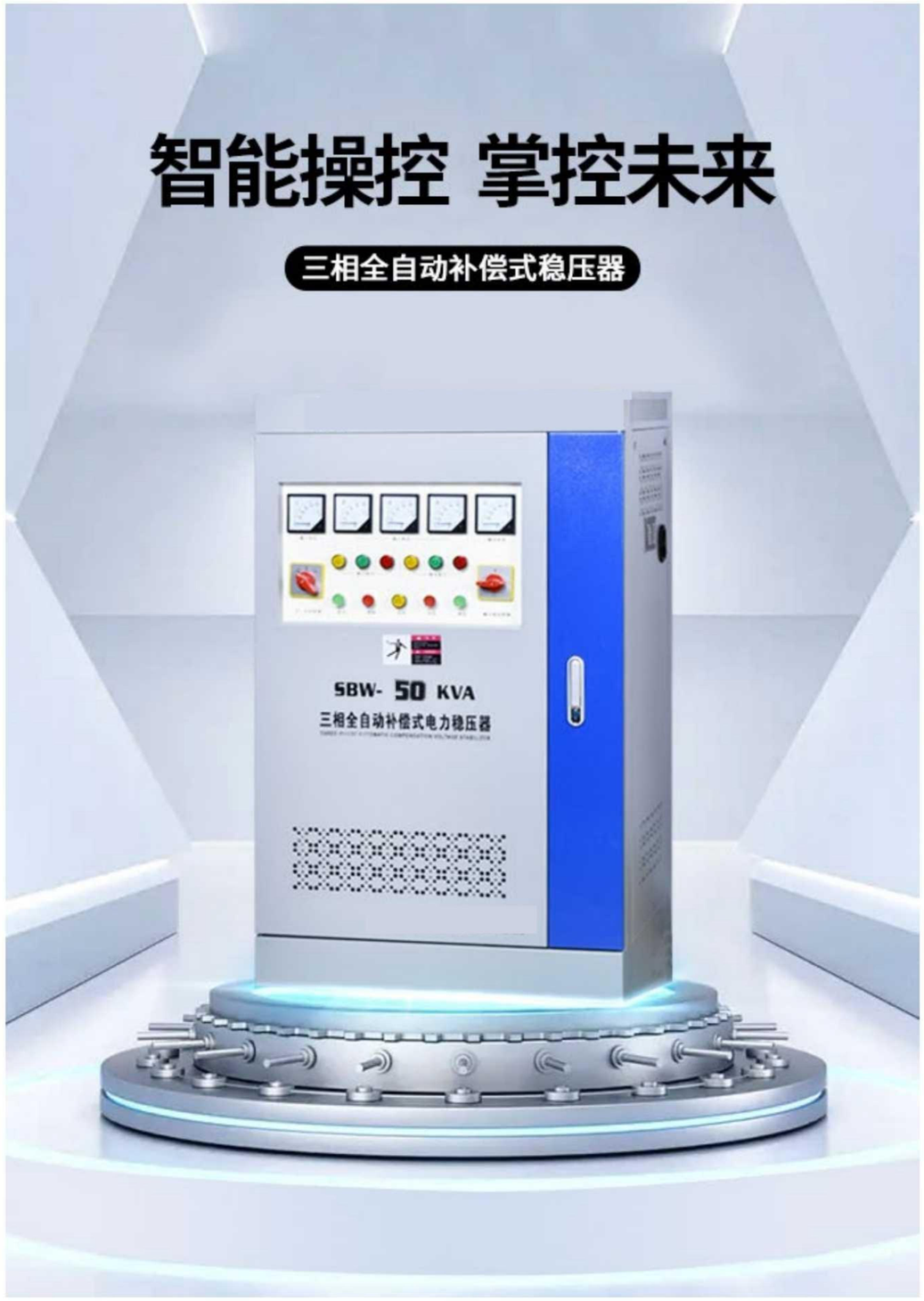




技术参数 Main technical parameter

型　号 model	SBW系列 SBW series
频　率 frequency	50HZ/60HZ
功率因数 The power factor	0.8
调整时间 Adjust the time	＜1s[当输入电压变化10%时] When the input voltage change 10%
效　率 Effciencv	≥95%
相对湿度 Relative humidity	＜90%
输出过压保护 OUTput over-voltage protection	425V±5V
特点说明 Characteristics that	具有过压保护、欠压保护、温控保护和过载保护等功能，输入电压范围广，输出电压精度高，中央处理CPU控制，核心原件质量可靠 With overvoltage protection, under-voltage protection, temperature protection and overload protection function, the input voltage range, high precision of output voltage, central processing CPU control, the original core quality is reliable

产品名称 Product name	产品型号 Product model	柜数 Number of cabinets	输出电压 OUT PUT	尺寸 (mm) 长x宽x高L x W x H
SBW系列 三相全自动补偿式 电力稳压器 SBW series Three-phase full self Dynamic compensation Power regulation Device	SBW-30KVA	单柜 Single cabinet	380V±3%	750X600X1250
	SBW-50KVA	单柜 Single cabinet	380V±3%	750X600X1250
	SBW-60KVA	单柜 Single cabinet	380V±3%	750X600X1250
	SBW-80KVA	单柜 Single cabinet	380V±3%	850X620X1400
	SBW-100KVA	单柜 Single cabinet	380V±3%	850X620X1400
	SBW-120KVA	单柜 Single cabinet	380V±3%	850X620X1400
	SBW-150KVA	单柜 Single cabinet	380V±3%	1000X700X1600
	SBW-200KVA	单柜 Single cabinet	380V±3%	1000X700X1600
	SBW-250KVA	单柜 Single cabinet	380V±3%	1100X800X1900
	SBW-300KVA	单柜 Single cabinet	380V±3%	1100X800X1900
	SBW-350KVA	单柜 Single cabinet	380V±3%	1100X800X1900
	SBW-400KVA	单柜 Single cabinet	380V±3%	1100X1250X2000
	SBW-500KVA	单柜 Single cabinet	380V±3%	1100x1250X2000
	SBW-600KVA	单柜 Single cabinet	380V±3%	1100X1250X2000
	SBW-800KVA	双柜 Double cabinet	380V±3%	1700X1300X2000



SBW-N High power regulator series

SBW-N 大功率稳压器系列



产品概述 Product profile

SBW-N系列三相智能补偿式电力稳压器，是我公司引进吸收西欧先进技术的稳压器，同时结合现代触摸技术和智能数字化技术，为稳定交流电压而重新研发、设计的一款全智能化稳压器。当外界的供电网络电压波动或负载变化而造成电压波动时，该稳压器能迅速反应自动保持输出电压的稳定。该稳压器产品与其它型式稳压器相比具有容量大、效率高、无波开畸变、电压调节平衡等优点，可适合任意负载的场所，具有瞬时超载和长期连续工作，市电/稳压随意切换，该稳压器设有过压、欠压、过载、短路、过流、逆相、缺相、相序保护及机械故障自动保护，而且该稳压器体积小、重量轻、使用安装方便、运行可靠等优点。

SBW-N series three-phase intelligent compensation type power voltage regulator is a voltage regulator that introduces the advanced technology of Western Europe, and combines modern touch technology and intelligent digital technology to re-develop and design a stable AC voltage. Intelligent regulator. When the external power supply network voltage fluctuation or load changes cause voltage fluctuations, the regulator can quickly react to automatically maintain the output voltage stability. Compared with other types of voltage regulators, this regulator has the advantages of large capacity, high efficiency, no wave open distortion, voltage regulation balance, etc. It can be used in any load, with instantaneous overload and long-term continuous operation. The voltage is switched freely, and the regulator is provided with overvoltage, undervoltage, overload, short circuit, overcurrent, reverse phase, phase loss, phase sequence protection and automatic mechanical fault protection, and the regulator is small in size, light in weight, and used. Easy to install, reliable operation and so on.

稳压器构造 Regulator configuration

SBW-N系列大功率稳压器由补偿变压器、调压器、传动机构、电刷接触系统、箱体和控制系统组成。调压变压器的圆筒式绕组表面经磨光加工，去除绝缘，呈光滑的导体表面，以便于电刷良好的接触，传动机构由伺服电机、链轮、链条组成。

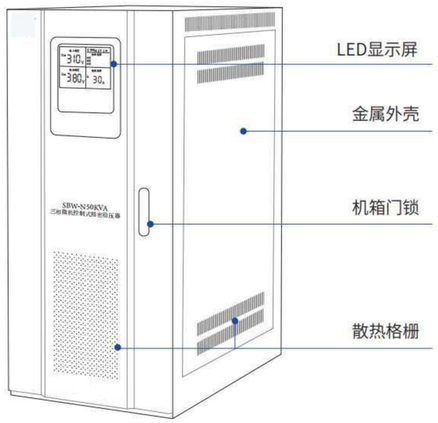
The SBW-N series high power regulator consists of a compensation transformer, a voltage regulator, a transmission mechanism, a brush contact system, a cabinet and a control system. The surface of the cylindrical winding of the voltage regulatingtransformer is polished to remove the insulation and has a smooth conductor surface for the good contact of the brush. The transmission mechanism is composed of a servo motor, a sprocket and a chain.

适用范围 Scope of application

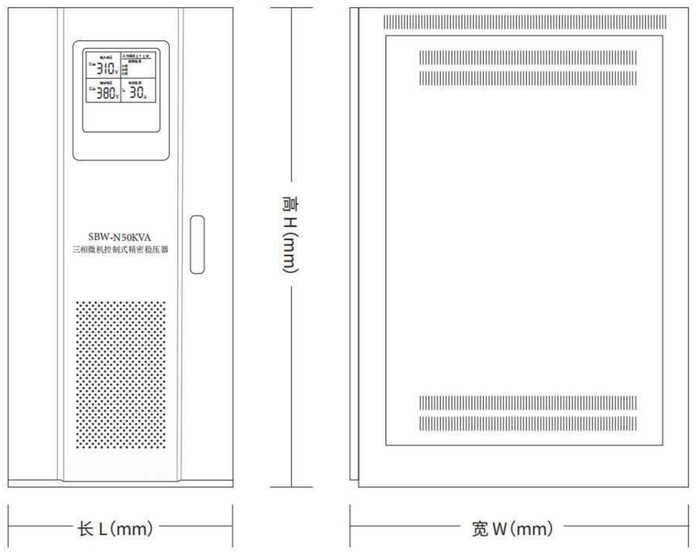
- 医疗：CT，DR，X光机，医疗设备，影像系统，摄影系统，核磁共振，超声仪等
- 纺织：电脑横机，自动络筒机，经编机等
- 印刷：印刷机，胶印机
- 机械：金属加工机床，数控加工中心，激光雕刻，切割设备，电焊，电炉锅等
- SMT（电子）：贴片机，回流炉，锡膏印刷机，锡膏检测仪，SPT，AOI等
- 仪器：光谱仪，色谱仪等
- 网络、通信设备：网络机房，雷达站，微波站等
- 工厂：生产流水线，中央空调等

- Medical: CT, DR, X-ray machine, medical equipment, imaging system, photography system, nuclear magnetic resonance, ultrasound system, etc.
- Textile: computerized flat knitting machine, automaticwinding machine, warp knitting machine, etc.
- Printing: printing press, offset press
- Machinery: metal processing machine tools, CNC machining centers, laser engraving, cutting equipment, electric welding, electric furnaces, etc.
- SMT (electronic): Mounter, reflow oven, solder paste printer, solder paste detector, SPT, AOI, etc.
- Instruments: spectrometers, chromatographs, etc.
- Network, communication equipment: network room, radar station, microwave station, etc.
- Factory: production line, central air conditioning, etc.

产品解析 Product analysis



外观尺寸 Appearance of size



技术参数 Main technical parameter

产品型号 Product model	输入电压 Input voltage	输出电压 Output voltage	尺寸(mm) 长x宽x高L x W x H
SBW-N50KVA	三相四线 304V~456V	三相四线 304V~456V	550*880*1200
SBW-N60KVA			550*880*1200
SBW-N80KVA			550*880*1200
SBW-N100KVA			620*920*1300
SBW-N120KVA			620*920*1300
SBW-N150KVA			700*960*1390
SBW-N200KVA			700*1020*1390
SBW-N250KVA			1000*700*1600
SBW-N300KVA			1100*800*1800
SBW-N350KVA			1100*800*1800
SBW-N400KVA			1100*800*1800
SBW-N500KVA			1100*1250*1950
SBW-N600KVA			1100*1250*1950
SBW-N800KVA			1100*1250*2000

型　　号 model	SBW-N
频　　率 frequency	50HZ/60HZ
功率因数 The power factor	0.8
抗电强度 The electric strength	2000V/min
调整时间 Adjust the time	＜1s[当输入电压变化10%时] When the input voltage change 10%
效　　率 Effciencv	≥98%
相对湿度 Relative humidity	＜90%
波形畸变 Waveform distortion	＜1%
绝缘电阻 Insulation resistance	≥2MΩ
输出过压保护 OUTput over-voltage protection	AC 425V±5V
工作方式 Way to work	可长期、连续无人值守工作 Can be long-term, continuous work unattended

JJW/JSW precision AC purification power supply series

JJW/JSW 精密交流净化稳压电源系列



产品概述 Product profile

- JJW/JSW系列精密交流净化稳压电源是采用国际先进的正弦能量分配稳压技术，集稳压、市电净化功能于一体的新型电源产品。具有稳压精度高、动态响应速度快、失真小、负载适应能力强、抗电磁干扰能力强等优点。

  JJW/JSW series precision AC purification and stabilized power supply is a new type of power supply product that adopts international advanced sinusoidal energy distribution voltage stabilization technology and integrates voltage stabilization and city power purification functions. It has the advantages of high voltage stabilization accuracy, fast dynamic response speed, small distortion, strong load adaptability, and strong anti-electromagnetic interference ability.

- 主要应用于供电质量要求较高的计算机、精密仪器、测试仪器、通讯广播设备、医疗设备、实验室、自动控制系统等。

  It is mainly used in computers, precision instruments, test instruments, communication and broadcasting equipment, medical equipment, laboratories, automatic control systems, etc. that require high power quality.

产品解析 Product analysis

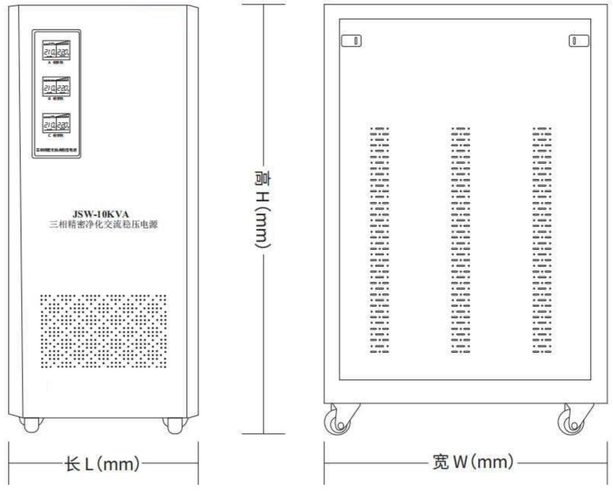


JSW-10KVA

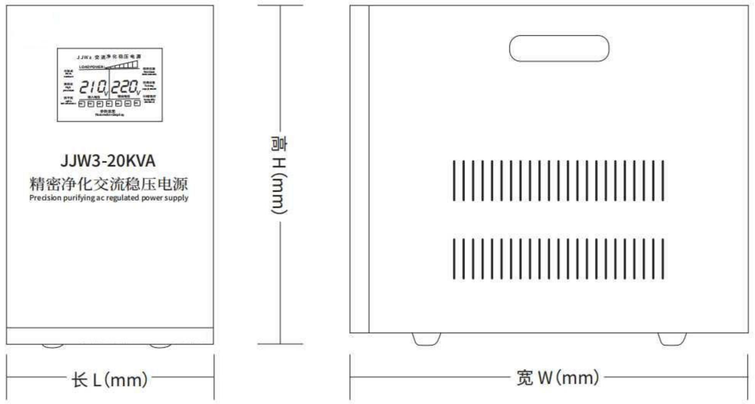


JJW3-20KVA

外观尺寸 Appearance of size



外观尺寸 Appearance of size



技术参数 Main technical parameter

型　　号 model	JJW/JSW
频　　率 frequency	50HZ/60HZ
稳压精度 Voltage regulation accuracy	±1%
尖峰吸收 spike absorption	输入1000V,3US尖峰，输出≥5V　input 1000V, 3US spike, output ≥ 5V
满载效率 Full load efficiency	＞92%
响应速度 Response speed	≤1S[当输入电压变化大于10%时] When the input voltage change is more than 10%
电气强度 Electrical strength	工频正弦电压2000V历时1分钟无击穿及闪络现象 power frequency sinusoidal voltage 2000V for 1 minute without breakdown and flashover phenomenon
适用负载 Applicable load	任意负载　any load
波形失真 Waveform distortion	≤ 5%
绝缘电阻 Insulation resistance	单相＞5MΩ，三相＞2MΩ　single phase >5MΩ, three phase >2MΩ
音频噪音 Audio noise	≤60dB 距离1m　≤60dB Distance 1m
过压保护值 Overvoltage protection value	单相：246V±4V；三相：426V±7V　single phase: 246V±4V; three phase: 426V±7V

稳压器构造 Regulator configuration

产品型号 Product model	输入电压 Input voltage	输出电压 Output voltage	尺寸(mm) 长x宽x高 L x W x H
JSW-3KVA	304V~456V	380V±1%	650*330*950
JSW-6KVA			650*330*950
JSW-10KVA			650*330*950
JSW-15KVA			750*380*780
JSW-20KVA			800*450*880
JSW-30KVA			800*450*880
JSW-45KVA			800*450*880
JSW-60KVA			800*450*880
JJW3-1KVA	175V~255V	220V±1%	355*175*300
JJW3-2KVA			410*195*355
JJW3-3KVA			410*195*355
JJW3-5KVA			460*255*395
JJW3-10KVA			485*260*495
JJW3-15KVA			560*290*560
JJW3-20KVA			560*290*560
JJW3-30KVA			320*610*590

ZBW Three-phase ac voltage regulator series

ZBW 三相无触点稳压器系列



产品概述 Product profile

ZBW三相无触点稳压器是我公司引进、吸收国外先进技术，同时结合我国国情，为稳定交流电压而设计的新一代智能型快速节能稳压电源。该稳压器中央控制系统 采用单片机智能控制，并配以多语言液晶显示，突出表现本设备的安全性、稳定性、节能性和人性化的人机界面。同传统补偿式稳压器比较，ZBW系列无触点稳压器具有智能控制与显示、快速稳压、静音节能三大显著优点。

ZBW Three-phase non-contact regulator is a new generation of intelligent fast energy-saving regulated power supply designed by our company to introduce and absorb foreign advanced technology and combine with China's national conditions to stabilize AC voltage. The central control system of the voltage regulator adopts intelligent control of single-chip microcomputer and is equipped with multi-language liquid crystal display, which highlights the safety, stability, energy saving and humanized human-machine interface of the device. Compared with traditional compensation regulators, ZBW series non-contact regulators have three significant advantages: intelligent control and display, fast voltage regulation, and quiet energy saving.

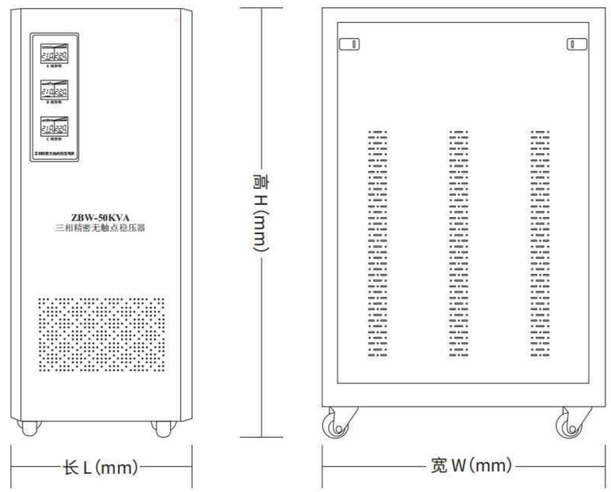
ZBW三相无触点稳压器主要由补偿变压器（可控变压器）、可控硅无触点开关、高速AD采样及单片机组成的智能处理器构成，无碳刷、无触点、无机械传动、数字化智能控制。12位高速AD采集，每周波采集128点，单片机数字处理及真有效值计算，控制精确无误，大规模可编程逻辑器件与单片机的完美配合。人性化的人机界面：通过操作面板触摸键可以查看、设定稳压器各种指标。

ZBW Three-phase non-contact regulator is mainly composed of compensation transformer (controllable transformer), thyristor non-contact switch, high-speed AD sampling and intelligent processor composed of single-chip microcomputer. No carbon brush, no contact, No mechanical transmission, digital intelligent control. 12-bit high-speed AD acquisition, 128 points per week, singlechip digital processing and true RMS calculation, accurate control, large-scale programmable logic device and microcontroller. User-friendly human-machine interface: You can view and set various indicators of the regulator through the touch panel of the operation panel.

产品解析 Product analysis



外观尺寸 Appearance of size



技术参数 Main technical parameter

产品型号 Product model	额定容量 Rated Capacity	额定电流 Rated current	尺寸(mm)长x宽x高L x W x H
ZBW-S-15KVA	15KVA	15A	390*650*860(带4个万向刹车脚轮) (with 4 universalbrake casters)
ZBW-S-20KVA	20KVA	30A	390*650*860(带4个万向刹车脚轮) (with 4 universalbrake casters)
ZBW-S-30KVA	30KVA	46A	390*650*860(带4个万向刹车脚轮) (with 4 universalbrake casters)
ZBW-S-40KVA	40KVA	61A	390*650*860(带4个万向刹车脚轮) (with 4 universalbrake casters)
ZBW-S-50KVA	50KVA	76A	450*720*1130(带4个万向刹车脚轮) (with 4 universalbrake casters)
ZBW-S-60KVA	60KVA	91A	450*720*1130(带4个万向刹车脚轮) (with 4 universalbrake casters)
ZBW-S-80KVA	80KVA	121A	460*650*1200
ZBW-S-100KVA	100KVA	152A	460*650*1200
ZBW-S-120KVA	120KVA	182A	460*650*1200
ZBW-S-150KVA	150KVA	228A	760*660*1660
ZBW-S-200KVA	200KVA	300A	760*660*1660
ZBW-S-225KVA	225KVA	342A	760*660*1660
ZBW-S-250KVA	250KVA	380A	1100*800*2000
ZBW-S-300KVA	300KVA	450A	1100*800*2000
ZBW-S-400KVA	400KVA	608A	1100*800*2000
ZBW-S-500KVA	500KVA	760A	1100*800*2000
ZBW-S-600KVA	600KVA	912A	1100*800*2000

技术参数 Main technical parameter

型　号 model	ZBW系列 ZBW series
稳定范围 Stable range	常规三相304V-456V或宽范围特别订制 Conventional three-phase 304V-456V or wide range special order
频　率 frequency	50HZ/60HZ
额定电压 Rated voltage	线电压380V Line voltage 380V
稳压精度 Voltage regulation accuracy	±(1-7)%可选择(常规为±2.5%、高精度订制) ±(1-7)% selectable (conventional ±2.5%, high precision)
响应时间 Response time	<10ms
稳定时间 stable schedule	≦100ms
波形失真 Waveform distortion	不产生附加波形畸变(静态) Does not generate additional waveform distortion (static)
效　率 effectiveness	50KVA及以下≧97%、50KVA以上≧99% 50KVA及以下≧97%、50KVA以上≧99%
三相不平衡度 Three-phase unbalance	三相点电压自动平衡 Three-phase point voltage automatic balance
延时输出 Delayed output	先稳压再输出(保护设备不收冲击) Regulate first and then output (protect the device from shock)
过　压 Overpressure	输出相电高于10%(245) Output phase power is higher than 10% (245)
欠　压 Undervoltage	输出相电低于10%(195) Output phase power is less than 10% (195)
环境温度 ambient temperature	-15℃~50℃
过载能力 Overload capacity	5倍额定电流1秒钟 5 times of rated current for one second
工作方式 Way to work	具有稳压和市电两种工作方式 The working mode includes voltage stabilization and mains power
散热方式 Heat dissipation mode	强迫风冷 Forced air cooling
保护功能 Protection function	过压 欠压 相序 过载 过流 短路 旁路 Output phase power is higher than 10% (245)

Oil-immersed voltage regulator

油浸式稳压器



产品概述 Product profile

油浸式稳压器由调压变压(包括油箱、定子、转子顶盖、传动控制电机M、手轮机构及控制线路板调压控制二次线路元件)等组成。通过电动机传动或手轮机构及齿轮耦合来实现转动调压，转动范围在180°内，并在油箱上端设有电SS限位及机械限位，电SS限位由行程开关来切断电动机电源，机械限位由保护螺栓来阻断其转动术限。定子绕组及转子绕组通过底坐架固定，放入油箱中，箱内装有10#变压器油，在负载产生热量时，通过油浸冷却方式，经散热管散热。具有错相、缺相、超压、过流保护；主回路无触点调节、无机械磨损、无火花产生无干扰影响、故障率低等特点；而且耐强冲击、瞬时超载能力超强、使用寿命长、无需维护等优点。

The oil immersed regulator consists of pressure regulating transformer (including fuel tank, stator, rotor top cover, transmission control motor M, hand wheel mechanism and control circuit board voltage regulation secondary line components). Rotary pressure regulation is realized by motor drive or hand wheel mechanism and gear coupling. The rotation range is within 180°, and the electric SS limit and mechanical limit are provided at the upper end of the fuel tank. The electric SS limit is used to cut off the motor power by the travel switch. The mechanical limit is blocked by a protective bolt to limit its rotation limit. The stator winding and the rotor winding are fixed by the bottom frame and placed in the oil tank. The tank is equipped with 10# transformer oil. When the load generates heat, it is cooled by the oil immersion cooling method. It has the characteristics of wrong phase, lack of phase, overpressure and overcurrent protection; main circuit has no contact adjustment, no mechanical wear, no spark, no interference, low failure rate, etc.; and strong impact resistance, transient overload capacity, use Long life and no maintenance.

主要特点 Main feature

- **输出电压精确**
  控制板采用精密逻辑电路配合精密组件，在恶劣的环境，均可以以最精确的电压输出，精确度在380V±(1～3%)内，可自由设定。
- **无段电压调整(无刷式)**
  感应式、无触点在负载电压，呈线性升压降压调整。
- **特性优良**
  采用日本高磁率矽钢片，使用空载损失、无载电流减到最低。使稳压器发挥最高性能，减少电力损耗。
- **超足容量、超载能力强**
  本稳压器可100%负载，连续使用且可使瞬间2-3倍电流通过，而不致损坏本机。
- **坚固耐用、使用年限长**
  内部主体为感应电压调整器IVR内无碳刷等撞触器及元件，永不磨损，坚固耐用为主要特点。
- **易保养及维护**
  采用模组化设计，所有无件均已规格化。只需保持内部清洁，无需任何特别保养。
- **适合做超大容量**
  感应式单机可做超大1600KVA以上机型。

- **Output voltage accuracy**
  The control board uses precision logic circuits and precision components. In harsh environments, it can output with the most accurate voltage. The accuracy is within 380V±(1~3%), which can be set freely.
- **No step voltage adjustment (brushless)**
  Inductive, non-contact at the load voltage, linear boost step-down adjustment.
- **Excellent characteristics**
  The Japanese high magnetic rate silicon steel sheet is used, and the no-load loss and the no-load current are minimized. Make the regulator the highest performance and reduce power loss.
- **Excellent capacity and overload capacity**
  The regulator can be 100% loaded, continuous use and can pass 2-3 times of current in an instant without damaging the unit.
- **Rugged and long-lasting**
  The internal body is a non-carbon brush and other components and components in the inductive voltage regulator IVR, which is never worn, and is characterized by durability.
- **Easy maintenance and maintenance**
  With modular design, all parts are standardized. Simply keep the interior clean and do not require any special maintenance.
- **Suitable for large capacity**
  Inductive single machine can be used for models over 1600KVA.

输入电压 Input voltage	304V-456V
输出电压 Output voltage	380V
频　率 frequency	50Hz
规　格 Specification	10、20、30、50、75、100、120、150、200、250、300、350、400、500、600、700、800、1000、1250、1600、2000、2500、3200、3600KVA
抗电强度 Dielectric strength	200V/60S < 10MA
绝缘电阻 Insulation resistance	>20MΩ
效　率 effectiveness	98%
稳压精度 Voltage regulation accuracy	±3%
波形失真 Waveform distortion	<3%
环境温度 Ambient temperature	-5°C～40°C
对比湿度 Contrast humidity	<95%
温　升 Temperature rise	<55°C
噪　音 Voice	<65dB
保护功能 Protective function	过/欠压、相序、过流、过载 Over/under voltage, phase sequence, overcurrent, overload

WBT Voltage stabilization transformer series

WBT 稳压变压一体机系列



产品概述 Product profile

WBT-D、WBT-S系列单、三相全自动稳压变压器（以下简称稳变一体机），是我公司引进吸收西欧先进技术，同时结合我国国情，为稳定交流电压而设计。针对进口设备专用电压和国内电压不同，经过稳变一体机的电压转换就可以解决稳压变压的目的。但外界地供电电网网络电压波动或负载变化而造成电压波动时，能自动保持输出电压的稳定。本系列产品与其他形式稳压器相比具有容量大、效率高、无波形畸变、电压调节平稳等优点，适用负载广泛，能承受瞬时超载，可长期连续工作，手动/自动随意切换，设有过压、过流、缺相、相序保护及机械故障自动保护，以及体积小、重量轻、使用安装方便、运行可靠等优点。可广泛应用于工业、农业、交通、邮电、军事、铁路、科研文化等领域的大型机电设备、金属加工设备、生产流水线、建筑工程设备、电梯、医疗器械、刺绣轻纺设备、空调、广播电视及家用电器、照明等需要稳压的场所。

WBT-D, WBT-S series single and three-phase automatic voltage regulator transformer (hereinafter referred to as the stable change machine) is designed by our company to absorb the advanced technology of Western Europe and combine with China's national conditions to stabilize the AC voltage. For the special voltage of the imported equipment and the domestic voltage, the voltage conversion of the stable integrated machine can solve the purpose of voltage regulation and voltage transformation. However, when the external power supply network voltage fluctuation or load changes cause voltage fluctuations, the output voltage can be kept stable. Compared with other forms of voltage regulators, this series has the advantages of large capacity, high efficiency, no waveform distortion, stable voltage regulation, etc. It is suitable for a wide range of loads, can withstand transient overload, can work continuously for a long time, and can be manually/automatically switched. Over-voltage, over-current, phase loss, phase sequence protection and automatic mechanical fault protection, as well as small size, light weight, easy installation and reliable operation. Can be widely used in industrial, agricultural, transportation, post and telecommunications, military, railway, scientific research and other fields of large-scale electromechanical equipment, metal processing equipment, production lines, construction engineering equipment, elevators, medical equipment, embroidery textile equipment, air conditioning, radio and television And places where household appliances, lighting, etc. need to be stabilized.

稳压器系列

主要特点 Main feature

输出电压精度 output voltage accuracy	2—5%可调 2-5% adjustable
效　率 Efficiency	≥95%（功率等级50KVA以上） ≥95% (power level above 50KVA)
响应速度 Response speed	≤1.5S（当外界电压变化10%） ≤1.5S (when the external voltage changes by 10%)
波形失真 Waveform distortion	无附加波形失真 no additional waveform distortion
绝缘电阻 Response time	≥2MΩ
过载能力 Overload capability	二倍的额定电流，维持1分钟 twice the rated current for 1 minute
保护功能 Protective function	具有过压、过流、缺相、相序保护（单相无缺及相序保护）及机械故障保护 with overvoltage, overcurrent, phase loss, phase sequence protection (single phase absence and phase sequence protection) and mechanical fault protection
输入电压:(国内电网电压) input voltage: (domestic grid voltage)	三相：三相四线制相电压220V±20%，线电压380V或相电压220V±30%，线电压380V±30%可选择（订货时需说明）； 单相：220V±20%或220V±30%可选择（订货时需说明）； Three-phase: three-phase four-wire phase voltage 220V±20%, line voltage 380V or phase voltage 220V±30%, line voltage 380V±30% optional (instruction when ordering); Single phase: 220V±20% or 220V±30% (optional when ordering);
输出电压 output voltage	三相：三相四线制相电压115V、线电压200V或三相四线制相电压127V、线电压220V；（可按客户要求定制） 单相：220V/110V/100V（可按客户要求定制） Three-phase: three-phase four-wire phase voltage 115V, line voltage 200V or three-phase four-wire phase voltage 127V, line voltage 220V; (can be customized according to customer requirements) Single phase: 220V/110V/100V (can be customized according to customer requirements)
	电气强度、工频正弦电压2500V（历时1分钟无击穿及闪络现象） Electrical strength, power frequency sinusoidal voltage 2500V (no breakdown and flashover in 1 minute)
	可长期、连续无人值守工作 Long-term, continuous unattended work
	上电自动启动或人工启动可选择 Power-on automatic start or manual start can be selected
	稳压、市电方便切换（订货需提前说明） Regulatory, commercial power easy to switch (ordering needs to be explained in advance)

Outdoor voltage regulator

户外型稳压器



产品概述 Product profile

户外专用防雨型稳压器，是我司多年来采用优质材料和先进的工艺技术而生产，具有防潮，防水，防雨IP56等级，维护方便等优点，能深入负荷中心，可用于户外地铁，高层建筑，机场，车站，码头，企业及隧道，公路照明，公园路灯，及户外设备等配电场所。(根据地区形势不一样，外壳可以选择材质不锈钢，塑钢，进口加厚铁箱等)

Outdoor special rain-proof voltage regulator, which is produced by our company for many years using high-quality materials and advanced technology. High-rise buildings, airports, stations, terminals, enterprises and tunnels, highway lighting, park street lights, and outdoor equipment and other power distribution places. (Depending on the situation in the region, the shell can be made of stainless steel, plastic steel, imported thick iron box, etc.)

使用范围 Scope of application

此系列稳压器采用国际先进的补偿技术设计制造，可与任何负荷匹配，广泛应用于交通设备，邮电通信，广播电视，计算机系统，小型工厂，大型设备配套，军工仪器设备等，可以户外安装。

This series of voltage stabilizer is designed and manufactured with international advanced compensation technology, which can be matched with any load. It is widely used in transportation equipment, post and telecommunications, broadcasting and television, computer systems, small factories, large equipment, military equipment, etc., and can be installed outdoors.

主要特点 Main feature

相　数 Phase	单相 Simplex	三相 Three phase
容　量 capacity	0.1KVA-60KVA	0.1kVA-200kVA
输入电压 Input voltage	单相220V Single-phase 220V	三相380V Three-phase 380V
输出电压 Output voltage	单相220V(其他电压可定做) Single-phase 220V(Other voltages can be customized)	三相380V Three-phase 380V
稳压精度 Voltage regulation accuracy	± 3%	
电压变动率 Voltage change rate	≤1.5%	
输出波形失真度 Distortion of output waveform	无失真(与输入波形比较) No distortion (compared to input waveform)	
绝缘等级 Insulation class	B级 Class B	
工作效率 Work efficiency	感应式(隔离式)≥96% Inductive (isolated) ≥96%	
适用频率 Applicable frequency	50/60Hz	
噪　声 noise	＜35dB(一公尺内) <35dB (within one meter)	
温　升 Temperature rise	≤60°C	
绝缘电阻 Insulation resistance	≥150MΩ	
抗电强度 Dielectric strength	2000VAC/1min	
工作环境 working environment	温度：-20~+50°C 湿度：≤95%RH不结露 Power-on automatic start or manual start can be selected	
工作场所 workplace	无腐蚀性气体及导电粉尘 No corrosive gas and conductive dust	
安规标准 Safety standards	产品符合VDE0550,IEC439,JB5555\GB226等国际国家标准 Products comply with VDE0550, IEC439, JB5555 \ GB226 and other international national standards	
冷却方式 cooling method	干式风冷 Dry air cooling	