

SJW-WB Series

» AC. Automatic Voltage Regulator/Stabilizer

Industrial Intelligent Micro-Chip(CPU), Non-Contact Static AVR, Three Phase

► Features

SJW-WB serial Industrial Intelligent Micro-chip(CPU), Non-contact(contactless) Compensated Voltage Stabilizer which is a new generation quick stabilizing voltage equipment developed by our company through many years hard work. It adopts the newest high speed operating chip control technology, fastest AC sampling technology, efficient calibrate technology, current vanish switch and fast compensate voltage stabilizing technology. They control several available silicon slices by special sequence to control the voltage connections, then to change the main voltage and voltage polar. It composes of insulation transformer, SCR mode, CPU control core, fast voltage stabilizing technology and security equipments, and accomplishes non-contact control, safe, high efficient and energy conservation. It is the perfect match of voltage translator and SCR on/off switch.

- ※ CPU intelligent SCR control, digital circuits, stable and reliable.
- ※ Large-screen LCD, user-friendly man-machine interface.
- ※ Three phases regulation, no contact, no abrasion, no spark and maintenance free.
- ※ Regulator speed to 0.04S can be accessed by all types of generators.
- ※ Efficiency is more than 98%, and power consumption less than 2%, save electricity to save money.
- ※ Anti-interference, cleaning ability, so that the output power completely pure.
- ※ With overload, short load, short circuit, lack of phases, and automatically bypass etc. protection function

► Applications

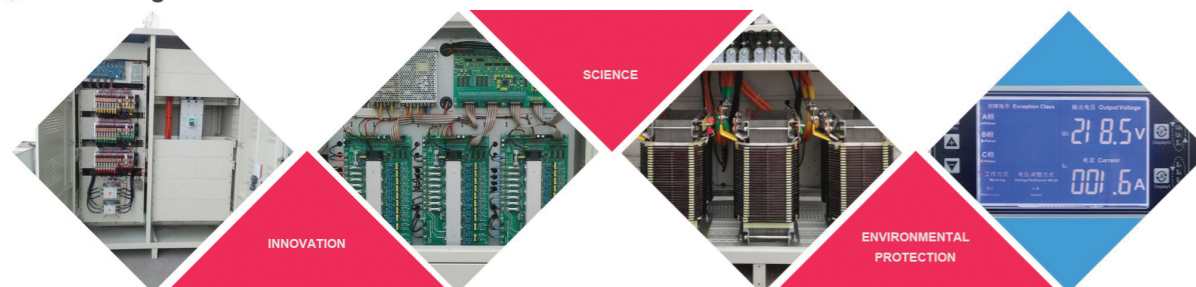
Widely used in Industry, Traffic, Post, Defense, Rail Ways, Science Lab, Large Electronic Machine, Metal Processing Equipments, Production Line, Elevator, Medical Equipments, Air Conditioner, Broadcast Television, Home Use Electronic, Building Lighting Equipment and other Equipments which need stable voltage, and are highly suitable to the equipments which needs high reliable and high stable power supply, or equipments in high amplitude of fluctuation voltage net.

► Main Technical Datas

Phase no.	three-phase four wire system
Input voltage	phase voltage: 220V ± 15% (187~253V), line voltage: 380V ± 15% (323~437V) (If input voltage ± 20% required by customers, please specify when ordering.)
Output voltage	380VAC
Output precision	20K~200KVA: ± 1% (input: 380V ± 15%) or ± 2% (input: 380V ± 20%) optional 250K~3000KVA: ± 2% (input: 380V ± 15%) or ± 3% (input: 380V ± 20%) optional
Frequency	50Hz/60Hz
Efficiency	≥ 98%
Response time	≤ 0.04sec.
Ambient temperature	-10°C ~ +40°C
Relative humidity	< 95%
Dielectric strength	2000V/1min.
Insulation resistance	≥ 2MΩ
Waveform distortion	No additional waveform distortion(static state)
Momentary overload capacity	Double rated current, one min.
Noise	< 45dB(1m distance)
Display mode	Microcomputer Intelligent large-screen LCD, user-friendly man-machine interface
Working mode	Continuous
Cooling mode	Cooling fan
Altitude	< 4000M
Protection	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.
Anti-interference	Arrester, EMI filter, LC filter(Optional)
Communication interface	Machine configuration RS-232 interface(Optional)

Note: The above specifications are based on 380VAC/3Phase, for 3Phase 220V/230V/400V/415/440VAC etc. can be customized.

► Craft Images



◆ All specifications subject to change without notice.

► Order Specifications



20KVA/30KVA/40KVA/50KVA/60KVA/80KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±1%(@±15%) or ±2%(@±20%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W x D x H(cm)	42 x 83 x 97
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



100KVA/120KVA/150KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±1%(@±15%) or ±2%(@±20%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W x D x H(cm)	47 x 83 x 131
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



200KVA/250KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±1%(@±15%) or ±2%(@±20%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W x D x H(cm)	56 x 90 x 136
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



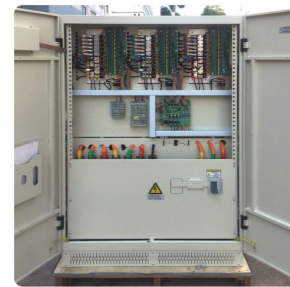
300KVA/400KVA/500KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W x D x H(cm)	110 x 62 x 156
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		

◆ Custom-made specifications are acceptable

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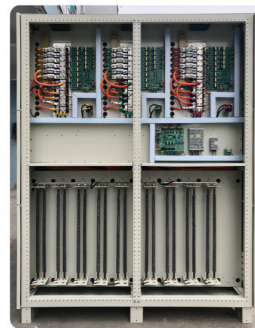
600KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	124 × 85 × 174
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



800KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	134 × 85 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



1000KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	134 × 85 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



1200KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	154 × 105 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		

► Order Specifications



1600KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	154 × 105 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



2000KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	154 × 105 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



2500KVA/3000KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	154 × 105 × 209cm * 3cabinets
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		



4000KVA

Input voltage	380V±15% or ±20%(customized)	Ambient temperature	-10℃ ~ +40℃
Output voltage	380V	Efficiency	≥ 98%
Accuracy of voltage	±2%(@±15%) or ±3%(@±20%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 0.04s	Package size W × D × H(cm)	154 × 105 × 209cm * 3cabinets
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With split-phase regulating system, automatic bypass(city power)system, over-voltage, under-voltage, over-load, short-circuit, phase failure, time-delay, failure alarm, auto. recovery etc.		