



# >> AC. Automatic Voltage Regulator/Stabilizer













# Industrial-grade Servomotor Column type Compensated AVR, Three Phase

# **▶** Features

SBW series three phase full automatic compensated power voltage stabilizer applicant to when the power network fluctuates or the load current varies, it can keep output voltage in steady state automatically, compared with other voltage stabilizers, it has the advantage of large capacity, high efficiency, no wave distortion, stable voltage adjustment, suitability for kinds of loads, boaring inetantanoous overload, working continually for long time, as well as free transferring between manual control and automatic control etc., besides, it is provided with protection against over-voltage, over current, phase failure/ phase sequence, delay and error protection etc, and has following merits: small volume, light weight, convenient installation and relit is reliable running and so on.

# Applications

It's widely used in post and telecommunications, department stores, elevators, hospitals, schools, printing, securities and other occasions where all needs normal voltage to ensure, such as workshop, mines, medium enterprises, some of the important equipment and computer power and support.

#### Main Technical Datas

Phase no.	Three-phase four wire system
Input voltage	Phase voltage: 220V ± 20% (176~264V), line voltage: 380V ± 20% (304~456V)
input voltage	(If input voltage $\pm 25\%$ required by customers, please specify when ordering.)
Output voltage	Phase voltage: 220V, line_voltage: 380V
Output accuracy	±2~5% adjustable(Default: 3%)
Frequency	50Hz/60Hz
Efficiency	>95%
Response time	≤1.5s(against 10% input voltage deviation)
Ambient temperature	−10°C··+40°C
Relative humidity	<95%
Insulation resistance	≥2M Ω
Withstand voltage	2000V/min.
Overload	Double rated current, one min.
Waveform distortion	No additional waveform distortion
Protection function	Bypass(city power)system, over-voltage, over-current,
riotection function	over-load, time-delay, machine fault, phase sequence & surge(optional) etc.

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

# Craft Images



# ▶ Order Specifications



# Analog/Digital meter optional



Input voltage	380V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	380V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤1.5s	Package size W $\times$ D $\times$ H(cm)	79 × 66 × 137
Insulation resistance	≥2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)sy	stem, over-voltage, over-cu	ment, over-load, phase failure,

time-delay, machine fault, phase sequence & surge(optional) etc.

#### 50KVA/60KVA

30KVA/40KVA



Input voltage	380V±20% or ±25%(customized)	Ambient temperature	-10°C +40°C
Output voltage	380V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default. 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W $\times$ D $\times$ H(cm)	79×66×137
Insulation resistance	>2MQ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure,		
	time-delay, machine fault, phe	ase sequence & surge(o)	otional) etc.

# 80KVA/100KVA/120KVA

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nput voltage	380V±20% or ±25%(c
Output voltage	380V
Accuracy of voltage	±2~5% adj.(Default: 39
requency	50Hz/60Hz
Response time	≤ 1.5s
nsulation resistance	$\geq 2M\Omega$
Protection function	With manual bypass(

е	380V±20% or ±25%(customized)	Ambient temperature	−10°C ~ +40°C
age	380V	Efficiency	> 95%
fvoltage	±2~5% adj.(Default: 3%)	Overload	Double rated current, one min.
	50Hz/60Hz	Waveform distortion	No additional waveform distortion
ine	≤ 1.5s	Paukage size W x D x H(um)	89 × 70 × 153
esistance	≥2MΩ	Qty per pkg(unit)	1

(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, phase sequence & surge(optional) etc.

# 150KVA



Input voltage	380V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	380V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤1.5s	Package size W $\times$ D $\times$ H(cm)	104 × 76 × 179
Insulation resistance	≥2MO	Oty per pkg(unit)	Ť
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure,		
	time-delay, machine fault, phase sequence & surge(optional) etc.		

♦ Custom-made specifiacations are acceptable

All specifications subject to change without notice.

















# **SBW Series**

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# 180KVA Input voltage 380V±20

380V±20% or ±25%(customized) Ambient temperature -10℃ ~ +40℃ > 95% Output voltage Accuracy of voltage ±2~5% adj.(Default: 3%) Overload Double rated current . one min. Waveform distortion No additional waveform distortion Frequency 50Hz/60Hz Package size W  $\times$  D  $\times$  H(cm) 104  $\times$  76  $\times$  179 Response time ≤1.5s Insulation resistance ≥2MΩ Qty per pkg(unit) Protection function With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure,

time-delay, machine fault, phase sequence & surge(optional) etc.

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		Out

# 200KVA

-10°C ~ +40°C out voltage Ambient temperature 380V±20% or ±25%(customized) Output voltage 380V > 95% Accuracy of voltage Overload Double rated current one min ±2~5% adi.(Default: 3%) Frequency Waveform distortion No additional waveform distortion 50Hz/60Hz Response time Package size W × D × H(cm) 104 × 76 × 179 ≤1.5s Insulation resistance Qty per pkg(unit) ≥2MΩ Protection function With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure,

time-delay, machine fault, phase sequence & surge(optional) etc.



# 250KVA

Input voltage Ambient temperature -10°C ~ +40°C 380V±20% or ±25%(customized) > 95% Output voltage 380V Double rated current, one min. Accuracy of voltage ±2~5% adj.(Default: 3%) Overload Waveform distortion No additional waveform distortion Frequency Package size W  $\times$  D  $\times$  H(cm) 115  $\times$  86  $\times$  209 ≤1.5s Insulation resistance Qty per pkg(unit) ≥2MO Protection function With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, phase sequence & surge(optional) etc.



# 300KVA

380V±20% or ±25%(customized) Amhient temnerature -10°C ~ +40°C Input voltage 380V Efficiency > 95% Output voltage ±2~5% adj.(Default: 3%) Double rated current, one min. Accuracy of voltage 50Hz/60Hz Frequency Waveform distortion No additional waveform distortion Package size W x D x H(cm) 115 x 86 x 209 Response time Qty per pkg(unit) With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, Protection function time-delay, machine fault, phase sequence & surge(optional) etc.



#### 320KVA/350KVA

Input voltage 380V±20% or ±25%(customized) Ambient temperature -10°C ~ +40°C 380V Output voltage Efficiency > 95% Accuracy of voltage ±2~5% adj.(Default: 3%) Overload Double rated current, one min. 50Hz/60Hz Waveform distortion No additional waveform distortion Response time ≤1.5s Package size W × D × H(cm) 115 × 86 × 209 Insulation resistance ≥ 2MΩ Qtv per pkg(unit) With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, phase sequence & surge(optional) etc



# 400KVA/450KVA

Input voltage 380V±20% or ±25%(customized) Ambient temperature -10°C ~ +40°C Efficiency > 95% Output voltage ±2~5% adj.(Default: 3%) Overload Accuracy of voltage Double rated current, one min. Waveform distortion No additional waveform distortion Frequency Response time ≤1.5s Package size W x D x H(cm) 115 x 130 x 217  $\geq 2M\Omega$ Insulation resistance Qty per pkg(unit) With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, Protection function time delay, machine fault, phase sequence & surge(optional) etc.



# 500KVA

Input voltage Ambient temperature -10℃~+40℃ 380V+20% or +25%(customized) Output voltage > 95% Overload Double rated current, one min. Accuracy of voltage ±2~5% adj.(Default: 3%) Waveform distortion No additional waveform distortion Frequency Response time Package size W  $\times$  D  $\times$  H(cm) 115  $\times$  130  $\times$  217 ≤1.5s Insulation resistance Qty per pkg(unit) Protection function With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, phase sequence & surge(optional) etc.



# 600KVA/630KVA/650KVA

380V±20% -10°C ~ +40°C Input voltage Ambient temperature 380V Efficiency > 95% Output voltage ±2~5% adj.(Default: 3%) Accuracy of voltage Double rated current, one min. 50Hz/60Hz Waveform distortion Frequency No additional waveform distortion Package size W × D × H(cm) 115 × 130 × 217 Response time Qty per pkg(unit) With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, Protection function time-delay, machine fault, phase sequence & surge(optional) etc

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Custom-made specifiacations are acceptable