

SVC Servomotor type AVR/AVS, with Analog/Digital Meter display, Single phase

► Features

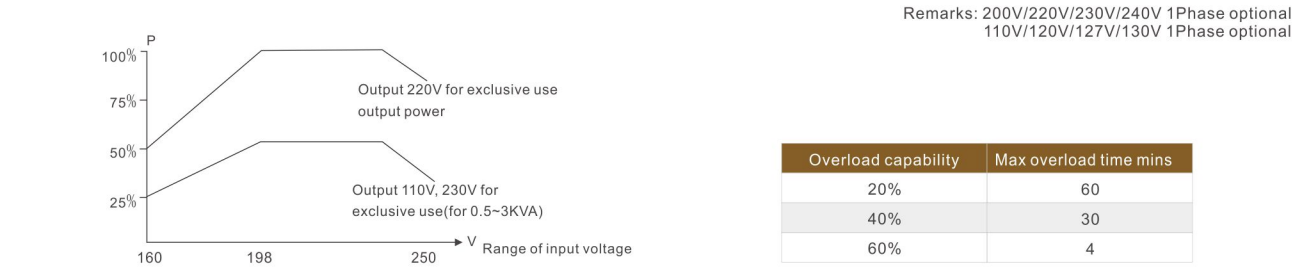
The series product is a servo–motor type high accuracy household voltage stabilizer. Low power consumption, reliable work, high accuracy of stabilization, and good for use in regions where the net voltage is much fluctuating.

► Applications

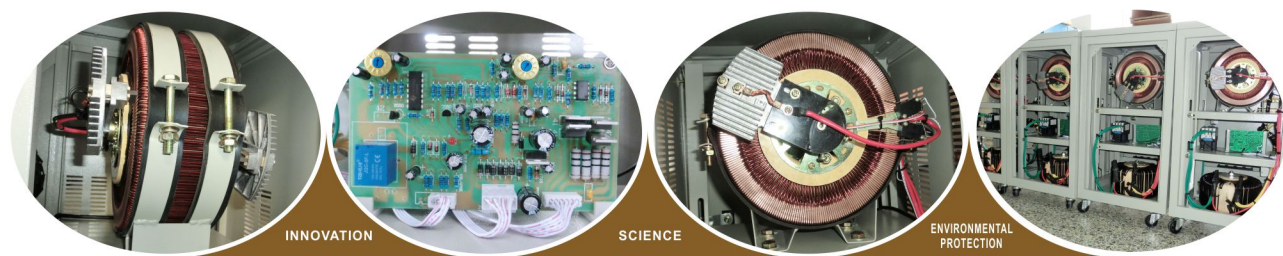
Computer, Testing equipment, Lighting system, Communication system, Medical equipment, Industrial automatic equipment, Stereo sound equipment and home appliance etc.

► Main Technical Datas

Phase no.	Single phase
Input voltage	160V~250V
Output voltage	230V,110V(0.5~3KVA)
Output accuracy	230V±2.5% , 110V±5%
Frequency	50Hz/60Hz
Efficiency	>90%
Response time	≤1.5s(against 10% input voltage deviation)
Ambient temperature	–10℃~+40℃
Relative humidity	<95%
Insulation resistance	>2MΩ
Withstand voltage	1500V/min.
Overload	Double rated current , one min.
Waveform distortion	No additional waveform distortion
Protection function	Over–voltage,under–voltage,over–load,short circuit, time delay etc.



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► Order Specifications



0.5KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V/110V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5% or 110V ± 5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	43 × 27 × 37
Insulation resistance	>2MΩ	Qty per pkg(unit)	4
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



1KVA/1.5KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V/110V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5% or 110V ± 5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	50 × 29 × 40
Insulation resistance	>2MΩ	Qty per pkg(unit)	4
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



2KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V/110V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5% or 110V ± 5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	62 × 34 × 26
Insulation resistance	>2MΩ	Qty per pkg(unit)	2
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



3KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V/110V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5% or 110V ± 5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	59 × 39 × 30
Insulation resistance	>2MΩ	Qty per pkg(unit)	2
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



5KVA/7.5KVA/10KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	51 × 30 × 25 (5KVA)
Insulation resistance	>2MΩ	Qty per pkg(unit)	1 51 × 34 × 29 (7.5/10KVA)
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



5KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	31 × 34 × 52
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



7.5KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	31 × 36 × 55
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



10KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	31 × 36 × 55
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



12KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	44 × 47 × 81
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



15KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	44 × 47 × 81
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



20KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	44 × 47 × 81
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



30KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	47 × 49 × 92
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



40KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	60 × 67 × 103
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



50KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	60 × 67 × 103
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



60KVA

Input voltage	160V-250V	Efficiency	> 90%
Output voltage	230V	Ambient temperature	-10℃ ~ +40℃
Accuracy of voltage	230V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	60 × 67 × 103
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

TNS Servomotor type AVR/AVS, with Analog/Digital Meter display, Single phase

► Features

The series product is a servo–motor type high accuracy household voltage stabilizer. Low power consumption, reliable work, high accuracy of stabilization, and good for use in regions where the net voltage is much fluctuating.

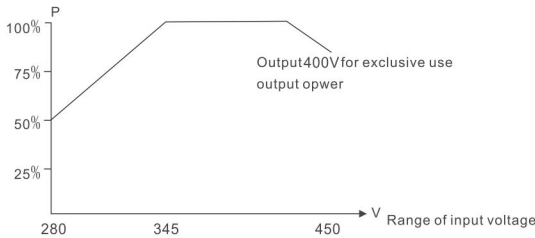
► Applications

Computer, Testing equipment, Lighting system, Communication system, Medical equipment, Industrial automatic equipment, Stereo sound equipment and home appliance etc.

► Main Technical Datas

Phase no.	Three phase
Input voltage	280V~450V
Output voltage	400V
Output accuracy	400V ± 2.5%
Frequency	50Hz/60Hz
Efficiency	>90%
Response time	≤1.5s(against 10% input voltage deviation)
Ambient temperature	–10℃~+40℃
Relative humidity	<95%
Insulation resistance	>2MΩ
Withstand voltage	1500V/min.
Overload	Double rated current , one min.
Waveform distortion	No additional waveform distortion
Protection function	Over–voltage,under–voltage,over–load,short circuit, time delay etc.

Remarks: 380V/400V/415V/440V 3Phase optional
220V/230V/240V/250V 3Phase optional



Overload capability	Max overload time mins
20%	60
40%	30
60%	4

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► Order Specifications



Analog/LED/LCD meter optional

6KVA



Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	40 × 43 × 74
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

9KVA/10KVA



Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	37 × 44 × 85
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

15KVA



Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	45 × 50 × 85
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

20KVA



Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	52 × 60 × 95
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		

30KVA



Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	–10℃ ~ +40℃
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	52 × 60 × 95
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



40KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



45KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



50KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



60KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	61 × 72 × 120
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



75KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



80KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



90KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



100KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



110KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		



120KVA

Input voltage	280V-450V	Efficiency	> 90%
Output voltage	400V	Ambient temperature	-10°C ~ +40°C
Accuracy of voltage	400V ± 2.5%	Relative humidity	< 95%
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	71 × 62 × 145
Insulation resistance	>2MΩ	Qty per pkg(unit)	1
Protection function	Over-voltage, under-voltage, over-load, short circuit, time delay etc.		