

SVC Single-Phase Automatic Voltage Stabilizer



1. General

It adopts linear integrated circuit to form the control system, drive the contact voltage regulator to regulate automatically by controlling the servo motor, it is provided with delay, over-voltage, under-voltage and over-current protection function which ensure the voltage stabilizer can supply safely; It has the advantage of high efficiency, same input and output voltage waveform, stable output voltage, work continuously and so on.

Excellent output voltage waveform、stable regulating process、no lost electricity phenomenon; High accuracy of output voltage, generally it is fixed in $200 \pm 3\%$ when leave the factory, wide input voltage range、strong load adaptability; with satisfiable load property. It has(under-voltage), over-voltage and over-current protection function; It can cut off the power supply automatically to ensure the safety of the consumer when the output voltage is over-high or the input is over-current.

SVC Single-Phase Automatic Voltage Stabilizer

It is available in the electric equipment and facilities in housing, factory, school, shop, office, precision instrument for scientific experiment. As well as office equipment, test instrument, communication system, industrial equipment, armarium, domestic electric appliance and so on.

2. Specifications

Item \ Type		SVC500VA ~ 3000VA	SVC5000VA ~ 30000VA
Input voltage range		150V ~ 250V	160V ~ 250V
Output voltage	Regulation accuracy	220 ± 3%、110 ± 4%	220 ± 3%
	Under-voltage protection	184V ± 4V (set according to user's requirement, generally not set)	
	Over-voltage protection	246V ± 4V	
Efficiency		>90 %	
Temperature-rise		≤ 80K	
Regulating speed		<1s(when input voltage varies 10%)	
Frequency		50Hz/60Hz	
Ambient temperature 、 Relative humidity		-5℃~+40℃ less than 90 %	
Waveform distortion		No additional distortion	

3. Overall and mounting dimensions(mm)

Type	Specification & Capacity VA	Overall size (W × D × L) mm	QTY.(pcs)	Package size/set (W × D × L) mm	Gross weight kgs	Net weight kgs
Single-phase movable type SVC	SVC-500	195 × 160 × 140	4	420 × 240 × 350	20	18
	SVC-1000	205 × 200 × 160	4	510 × 280 × 390	22.5	21
	SVC-1500	205 × 200 × 160	4	510 × 280 × 390	27	25.5
	SVC-2000	240 × 285 × 200	1	375 × 310 × 270	11	10.5
	SVC-3000	240 × 300 × 235	1	385 × 315 × 305	13.5	12.5
	SVC-5000	240 × 475 × 205	1	550 × 315 × 270	23	22
	SVC-7500	295 × 475 × 240	1	555 × 370 × 305	29	28
	SVC-10000	295 × 475 × 240	1	555 × 370 × 305	33	32
Single-phase cubic type SVC	SVC-5000	310 × 280 × 450	1	430 × 390 × 560	29	25
	SVC-7500	310 × 280 × 450	1	430 × 390 × 560	38	33
	SVC-10000	310 × 280 × 530	1	430 × 390 × 610	42	37
	SVC-15000	320 × 420 × 620	1	540 × 510 × 790	58	54
	SVC-20000	320 × 420 × 620	1	540 × 510 × 790	61	57
	SVC-30000	380 × 420 × 740	1	530 × 480 × 850	66	60