

# Voltright™

## SVS3x45 VOLTAGE STABILISER

VOLTAGE PROTECTION AND STABILISATION  
FOR ALL ELECTRICAL AND ELECTRONIC EQUIPMENT

### Background

The three phase SVS is made up from three identical single phase regulator units. Each of these monitors its own output voltage and adjusts for variations in mains supply voltage so as to maintain an output voltage within close limits.

The Sollatek three phase SVSs all boast the same input voltage range as standard of -20% to +20%, making it ideal for all applications where the voltage supply is erratic.

### Applications

The SVS protects your electrical equipment against power spikes and surges. Using the SVS ensures a stable and clean voltage supply to your equipment.

The SVS is suitable for all electrical and electronic appliances, including: air conditioners, computers, fridges, TV, and satellites.

### Features

- Solid state stabiliser with no maintenance required
- Microprocessor controlled providing accurate and fast response
- Output accuracy +/-3% for an input range of +/-20%
- Can operate as low as 100V
- Automatic disconnect at:  
Input Low Voltage : 100V  
Input High Voltage : 290V
- Automatic reconnect with 10 seconds time delay
- Voltage & current digital displays
- IP Rating : 21
- Fan cooled
- Integrated Class II surge & spike protection



THREE PHASE SVS

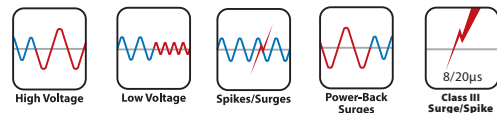
#### Features



#### Protection for



#### Protection from



## General Specifications

Input/output range	
Nominal Voltage	220/380V
Load	45Amps/phase
kVA @ 220/380V	29.7kVA
kVA @ 230/400V	31.0kVA
Input range	-20% to +20%
Output accuracy	± 3%
Frequency range	45Hz to 75Hz
General	
Derating factor	10% to 15% per 10°C above 40°C
Synchronization	Output synchronized to input
Permissible overload	1000% for 100ms, 150% for 4 minutes, 110% for 15 minutes
Load types	Designed to run lighting, motors, battery chargers, communications equipment, office equipment, SMPS, air-conditioners, compressors, industrial machines, medical equipment and others. Suitable for all domestic, commercial and industrial sites
Technology	Transformer tap switching using relay based
Efficiency	>97% (at 100% linear load)
Control	Microcontroller based control system provides self checks, system integrity monitoring and diagnostic indicators.
Control protection	Internal surge arrestors and filters in control circuit protect against disturbances. Filtering algorithms and fault tolerant software protect against disturbances and false measurements
Ambient temperature range	0 to +55°C
Relative humidity	>95%, non condensing
Acoustic noise	< 45 dB (A)
Expected service life	> 10 years
Standards	Manufactured to comply with :- ISO9001:2000, CE, EN 50081-1:1992, EN 50082-1:1998, EN 55022:1998, EN 61000-4-2:1995/1998, EN 61000-4-3:1996, EN 61000-4-4:1995, EN 61000-4-5:1995, EN 61000-4-6:1996, EN 61000-4-11:1994, DD ENV 50204, BS EN 61558-1, EN 60065, EN 60555
Correction speed	750 Volts per sec
Response	Within 0.1 second
Wait time on start up	Standard delay is 10 secs
Efficiency	88% at 25% load, 94% at 50% load, 96% at 75% load, 97% at 100% load
Power factors	Unaffected by load power factor
AVS™ function	Automatic voltage switcher: output is switched off to protect device against over and under voltage (available on certain models only)
TimeSave™ function	Reduced startup delay if unit was off for more than the standard delay period to 10 seconds Available on models with AVS function



## Input and Output voltage response

230V																																								
INPUT	0-118	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	308
OUTPUT	OFF	148	154	160	167	174	180	186	192	198	204	210	217	223	230	235	230	235	230	236	230	235	230	235	230	235	235	230	232	236	230	234	227	230	233	237	240	245	250	OFF

MODEL	Amps	kVA@230V/400	Weight	Dims
SVS3x45-22	3x45	31	65	400 x 400 x 645

STOCK NUMBER	DESCRIPTION
98245000	SVS45-22 I/P +/-20% - O/P +/-3%



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**ISO9001: 2008 accredited company**

All weights and dimensions are approximate. Specifications are subject to change without prior notice. ©Sollatek (UK) Limited 2012. All Rights Reserved. SOLLATEK and the SOLLATEK device are the trade marks of the Sollatek group of companies.



For more information on Sollatek's Power protection Range refer to the VP Catalogue. or visit [www.sollatek.com](http://www.sollatek.com)

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