

## Automatic Voltage Stabiliser

### Model SES

AC Mains voltage fluctuations causes many equipment to behave erratic and malfunction. Some equipment even breakdown because of this voltage fluctuations. Failure to keep this voltage stable results in more costly repairs.

**Ashley-Edison's Model SES** Voltage Stabilisers are designed to maintain the mains voltage constant all the time. Their electromechanical / servo design will electronically ensures the mains voltage remains stable should the incoming mains voltage drift high or low. They are characterised by the high efficiency and are completely unaffected by power factor, load and frequency variations. SES Voltage stabilisers can withstand high instantaneous overloads and does not create any magnetic interference. Compact in size, quiet in operation, these voltage stabilisers are very suitable for indoor use and can be located near to equipment without causing any magnetic disturbances to the equipment.



#### Features

- **Wide Range of Voltage Stabiliser**  
Single Phase Up to 100Kva  
Three Phase Up to 500Kva
- **Input Voltage Range**  
Input Voltage Range Available from  $\pm 15\%$ ,  $\pm 20\%$ ,  $\pm 25\%$ ,  $\pm 30\%$ ,  $\pm 35\%$ , (To Specify)
- **Output Voltage Regulation**  
Output Voltage Accuracy  $\pm 1\%$ ,
- **High Efficiency**  
Better than 98%
- **Independent Phase Control Circuit**  
Sensing on all Three Phase Circuit
- **Standard Protection Features**  
Input circuit breaker  
Bypass control switch  
Over/low voltage protection  
Phase-failure protection  
Voltmeter ( Internal)
- **Compliance with International Standards**  
IEC 439, BS6527, IEEE 587
- **CE Conformity**  
EN55022, EN50082-2, ENV50140-1
- **Warranty**  
2 Years

#### Applications

- **Computers**
- **Medical Equipment**
- **Electronics Equipment**
- **Testing Equipment**
- **Laboratory Equipment**
- **POS Terminals**
- **Process Control Systems**
- **Communication Systems**
- **TV/Radio Broadcasting Stations**
- **Elevators**
- **Audio/Video Systems**
- **Security Systems**
- **Production Line**
- **CNC Equipment**
- **SMT Equipment**

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### Technical Specifications

<b>Input Voltage</b>	208VAC $\pm$ 20% 3Phase 3Wire ( 3Phase 4Wire to specify)
<b>Output Voltage</b>	208V AC 3Phase 3Wire ( 3Phase 4Wire to specify) (Pre-settable for any voltage between 190V to 240V).
<b>Output Voltage Accuracy</b>	$\pm$ 1%
<b>Frequency</b>	47 – 65 Hz
<b>Response Time</b>	<1.5ms
<b>Correction Time</b>	A 10% supply variation will be corrected to within 2.5% in 0.6 seconds.
<b>Efficiency</b>	98%
<b>Power Factor</b>	Any lagging to 0.95 leading
<b>Surge ratings</b>	5 x max current rating for 1 second 2 x max current rating for 20 seconds 1.5 x max current rating for 2 minutes
<b>Surge Suppression</b>	Protect loads against high-energy (Spike) and transient voltage.
<b>Total Harmonic Distortion</b>	Less than 1%
<b>Independent Phase Control</b>	Maintain each phase voltage stable irrespective of load unbalance.
<b>Environment</b>	Temperature range $-15$ to $45$ °C. Derate by 2% for each additional °C Up to max $60$ °C . Suitable for indoor tropical use 95% RH (non-condensing). Maximum altitude 1000m. Derate by 2.5% for each additional 500m.
<b>Construction</b>	Enclosures to IP20, BS5490/IEC529
<b>Conformance</b>	BS 6527, BS6667, IEEE587
<b>CE Conformity</b>	EN55022, EN50082-2, ENV50140-1
<b>Warranty</b>	Two Years

<b>Standard Features</b>	Input circuit breaker. Bypass control switch. Over/Low voltage protection. Phase failure protection. Voltmeter/selector switch (internal)
<b>Optional Accessories</b>	Ammeter/selector switch Frequency meter Lighting Arrestors Output circuit breaker Manual Maintenance Bypass Switch
Note: Optional accessories added may affect dimension, subject to confirmation.	
Note: 1) 220V options available on order. 2) Special voltage configurations available on order 3) Higher KVA rating options available on order	



Three Phase Model: SES-L-3P-S20				
Model:	Rating KVA	Input Range	Dimensions (mm) W x H x D	Weight (Kgs)
SES 6L-3P-S20	6	$\pm$ 20%	300 x 550 x 590	80
SES 10L-3P-S20	10	$\pm$ 20%	300 x 550 x 590	85
SES 15L-3P-S20	15	$\pm$ 20%	300 x 550 x 590	87
SES 20L-3P-S20	20	$\pm$ 20%	300 x 550 x 590	89
SES 25L-3P-S20	25	$\pm$ 20%	380 x 670 x 780	150
SES 30L-3P-S20	30	$\pm$ 20%	380 x 670 x 780	155
SES 35L-3P-S20	35	$\pm$ 20%	380 x 670 x 780	235
SES 40L-3P-S20	40	$\pm$ 20%	380 x 670 x 780	238
SES 45L-3P-S20	45	$\pm$ 20%	380 x 670 x 780	240

Three Phase Model: SES-L-3P-S20				
Model:	Rating KVA	Input Range	Dimensions (mm) W x H x D	Weight (Kgs)
SES 50L-3P-S20	50	$\pm$ 20%	490 x 800 x 990	245
SES 55L-3P-S20	55	$\pm$ 20%	490 x 800 x 990	247
SES 60L-3P-S20	60	$\pm$ 20%	490 x 800 x 990	250
SES 75L-3P-S20	75	$\pm$ 20%	490 x 800 x 990	398
SES 80L-3P-S20	80	$\pm$ 20%	500 x 900 x 1000	410
SES 90L-3P-S20	90	$\pm$ 20%	500 x 900 x 1000	420
SES 100L-3P-S20	100	$\pm$ 20%	500 x 900 x 1000	430
SES 120L-3P-S20	120	$\pm$ 20%	500 x 900 x 1000	440
SES 150L-3P-S20	150	$\pm$ 20%	500 x 1300 x 1000	455

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