

## 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

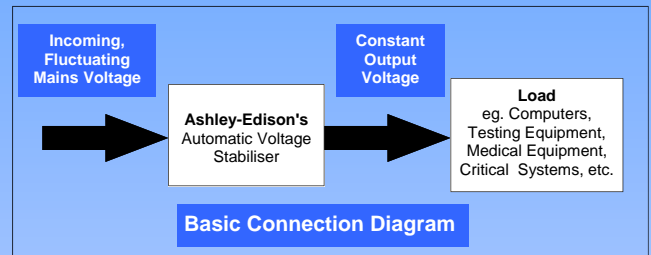
- **Computers**
- **Medical Equipment**
- **Electronics Equipment**
- **Testing Equipment**
- **Laboratory Equipment**
- **POS Terminals**
- **Process Control Systems**
- **Communication Systems**
- **TV/Radio Broadcasting Stations**
- **Elevators**
- **Audio/Video Systems**
- **Security Systems**
-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

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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** Voltage Stabilisers are designed to maintain the mains voltage constant all the time. Their electromechanical design will electronically correct the mains voltage constant should the mains voltage goes high or low. They are characterised by the high efficiency and are completely unaffected by power factor, load and frequency variations. They 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.

### Applications

- **Computers**
- **Medical Equipment**
- **Electronics Equipment**
- **Testing Equipment**
- **Laboratory Equipment**
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### Technical Specifications

<b>Input Voltage</b>	230VAC $\pm$ 35% Single Phase
<b>Output Voltage</b>	Presettable for any voltage between 220V to 240V.
<b>Output Voltage Accuracy</b>	$\pm$ 1%
<b>Frequency</b>	47 – 65 Hz
<b>Speed of response</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>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

### Single Phase Model: SES

Model:	Rating KVA	Output Voltage	Dimensions (mm) W x H x D	Weight (Kgs)
SES 1H-S35	1	230V	210 x 260 x 420	35
SES 2H-S35	2	230V	210 x 260 x 420	35
SES 3H-S35	3	230V	210 x 260 x 420	37
SES 4H-S35	4	230V	210 x 260 x 420	38
SES 5H-S35	5	230V	210 x 260 x 420	40
SES 8H-S35	8	230V	270 x 460 x 490	43
SES 10H-35	10	230V	270 x 460 x 490	60
SES 15H-S35	15	230V	410 x 580 x 510	75
SES 20H-S35	20	230V	500 x 700 x 600	85
SES 30H-S35	30	230V	500 x 700 x 600	120

