

# AC Automatic Voltage Stabilisers & Regulators

## SES SERIES SINGLE PHASE 1KVA ~ 100KVA

**Cost Efficient Voltage Stabilisation Solutions with Fast Speed of Response and High Output Voltage Accuracy**

AC mains voltage fluctuations can cause equipment to behave erratically and malfunction. Some systems may even break down due to these fluctuations, noise or spikes. Failure to ensure the incoming mains voltage is stable and clean, can often result in costly equipment repairs.

Ashley-Edison's electromechanical / electronic servo design **SES Series** Voltage Stabilisers, are designed to ensure that should the incoming mains voltage drift high or low, the output voltage will remain continuously constant. Characterised by high efficiency, they are completely unaffected by power factor, load and frequency variations. They are able to withstand high instantaneous overloads and do not generate any magnetic interference. Compact in size, quiet in operation, these voltage stabilisers are suitable for indoor use and may be located near to sensitive equipment.

**Soft Switch-ON** feature will ensure that the Voltage Stabiliser is at its minimum upon switch-on before it commence full stabilization. Lack of this feature may cause high output voltage surge in stabiliser.



### Models:

#### High Voltage (H) Models

220V; 230V or 240V (Single Phase)

#### Low Voltage (L) Models

100V; 110V or 120V (Single Phase)

### Features:

- **Wide Range of Voltage Stabiliser**  
Single Phase Up to 100KVA
- **Input Swing Range**  
Input Swing Range Available from  $\pm 15\%$ ,  $\pm 20\%$ ,  $\pm 25\%$ ,  $\pm 30\%$ ,  $\pm 40\%$  (To Specify)
- **Output Voltage Regulation**  
Output Voltage Accuracy  $\pm 1\%$ ,
- **High Efficiency**  
Better than 98%
- **Standard Features**  
**Model SES 1H ~ 10H**  
Input Circuit Breaker  
Universal Socket  
**Model SES 15H ~ 100H**  
Input Circuit Breaker  
Voltmeter, Ammeter  
Bypass Control Switch
- **Optional Accessories**  
Output circuit breaker  
Ammeter  
Voltmeter  
Manual maintenance bypass switch  
Over/low voltage protection  
Lightning arrester
- **Compliance with International Standards**  
BS EN50081-1;2/IEC 61000-4-3;4  
BS EN5490/IEC 60529
- **CE Conformity**  
EN55022, EN50082-2, ENV50140-1
- **Warranty**  
3 Years

### Applications:

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

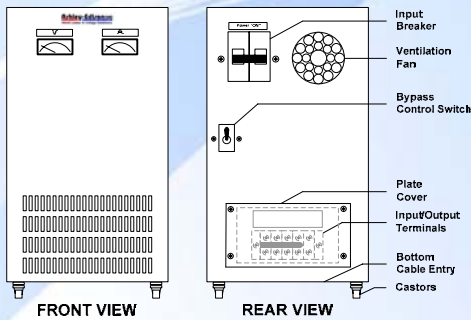


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### Technical Specifications

<b>Input Voltage</b>	230VAC $\pm$ 40% Single Phase	<b>Total Harmonic Distortion</b>	Less than 1%
<b>Output Voltage</b>	Presetable for any voltage between 220V; 230V or 240V.	<b>Soft Switch-ON</b>	Ensure that the output voltage is at its minimum upon Switch-On before it commence full stabilization
<b>Output Voltage Accuracy</b>	$\pm$ 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>Frequency</b>	47 – 65 Hz	<b>Construction</b>	Enclosures to IP20, BS EN5490 / IEC 60529
<b>Response Time</b>	<1.5ms	<b>Conformance</b>	BS EN50081-1;2 / IEC 61000-4-3;4
<b>Correction Time</b>	A 10% supply variation will be corrected to within 2.5% in 0.6 seconds.	<b>CE Conformity</b>	EN55022, EN50082-2, ENV50140-1
<b>Efficiency</b>	98%	<b>Warranty</b>	Two Years
<b>Power Factor</b>	Any lagging to 0.95 leading	<b>Standard Feature</b>	Input circuit breaker Voltmeter Ammeter
<b>Surge ratings</b>	10 x max current rating for 2 seconds 3 x max current rating for 1 minutes 2 x max current rating for 5 minutes	<b>Optional Accessories</b>	Over / Low voltage protection. Bypass switch
<b>Surge Suppression</b>	Protect loads against high-energy spikes and transient voltage.		

Note: Optional accessories added may affect dimension, subject to confirmation.



### Single Phase Model: SES-H-S40

Model:	Rating KVA	Amps @ 220V	Amps @ 230V	Amps @ 240V	Dimensions (mm) W x H x D	Weight (Kgs)
SES 5H -S40	5	23	22	21	Dimensions and Weight upon request	
SES 8H -S40	8	36	35	33		
SES 10H -S40	10	45	44	42		
SES 15H -S40	15	68	65	63		
SES 20H -S40	20	91	87	83		
SES 30H -S40	30	136	130	125		
SES 40H -S40	40	182	174	167		

Model SES 5H ~ 40H are supplied with Input Breaker, Input/Output Terminals, Output Voltmeter, Ammeter, Bypass Control Switch and Castors.

- Note: 1) 120V options available on order  
2) Special voltage configurations available on order  
3) Higher KVA rating options available on order

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- Electronics Equipment
- Testing Equipment
- Laboratory Equipment
- POS Terminals
- Process Control Systems
- TV/Radio Broadcasting Stations
- Elevators
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- CNC Equipment

