

## AC Automatic Voltage Stabilisers & Regulators (Rack Mount)

## SES-R SERIES SINGLE PHASE

**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 **Rack-mount Automatic Voltage Stabilisers** are designed where space is a constraint. Using their long-time field-tested and reliable technology, this compact unit will fit nicely with other equipment, whether it is for telecommunication, broadcasting, sound system or other essential equipment. This smooth, quiet operating unit not only provide you with a stable output voltage, it does not create any magnetic interference, or harmonics. Their electromechanical / electronic servo design will electronically correct the fluctuations from the mains thereby maintaining a stable output voltage continuously. They are characterized by the high efficiency and are almost completely unaffected by load power factor or mains frequency variations. These compact units are also incorporated with lightning arresters so protecting your equipment from unnecessary failure.

Our Voltage Stabilisers are equipped with **Bypass Control Switches**. These switches can be activated when required.

**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)

#### High/Low Voltage (HL) Models

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

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

#### Low/High Voltage (LH) Models

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

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

### Features

- **Wide Range of Voltage Stabiliser**  
Single Phase Up to 10Kva
- **Input Voltage Range**  
Input Voltage Range Available from  $\pm 15\%$ ,  $\pm 20\%$ ,  $\pm 25\%$ ,  $\pm 30\%$ ,  $\pm 35\%$ ,  $\pm 40\%$  (To Specify)
- **Output Voltage Regulation**  
Output Voltage Accuracy  $\pm 1\%$ ,
- **High Efficiency**  
Better than 98%
- **Standard Protection Features**  
Input circuit breaker  
Bypass control switch  
Soft Switch-ON  
Over/low voltage protections  
Lightning arrester  
Voltmeter
- **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**  
2 Years

### Applications

- Computers
- Medical Equipment
- Electronics Equipment
- Testing Equipment
- Laboratory Equipment
- Process Control Systems
- Communication Systems
- TV/Radio Broadcasting Stations
- Audio/Video Systems
- Security Systems



## AC Automatic Voltage Stabilisers & Regulators Rack Mount

### Technical Specifications

<b>Input Voltage</b>	220V; 230V or 240VAC Single Phase (To Specify)	<b>Total Harmonic Distortion</b>	Less than 1%
<b>Output Voltage</b>	Presetable for any voltage between 220V; 230V or 240V.	<b>Volt-free Contact</b>	Normally close & Normally open
<b>Output Voltage Accuracy</b>	± 1%	<b>Soft Switch-ON</b>	Ensure that the output voltage is at its minimum upon Switch-On before it commence full stabilization
<b>Frequency</b>	47 – 65 Hz	<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>Response Time</b>	<1.5ms	<b>Construction</b>	Enclosures to IP20, BS EN5490 / IEC 60529
<b>Correction Time</b>	A 10% supply variation will be corrected to within 2.5% in 0.6 seconds.	<b>Conformance</b>	BS EN50081-1;2 / IEC 61000-4-3;4
<b>Efficiency</b>	98%	<b>CE Conformity</b>	EN55022, EN50082-2, EN50140-1
<b>Power Factor</b>	Any lagging to 0.95 leading	<b>Warranty</b>	Two Years
<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>Standard Feature</b>	Input circuit breaker Bypass control switch Over/low voltage protection Lightning arrester Voltmeter
<b>Surge Suppression</b>	Protect loads against high-energy spikes and transient voltage.	Note: 1) 120V options available on order 2) Special voltage configurations available on order	
<b>Surge Arrester</b>	40KA at 275V AC Class III (IEC 61643-1:1998-02, EN 61643-11:2001)		

Single Phase Model: SES-H-RACK						
Model:	Rating KVA	Amps @ 220V	Amps @ 230V	Amps @ 240V	Dimensions (mm) W x H x D	Weight (Kgs)
<b>Single Phase Input Swing ± 15%</b>						
SES 3H-S15-R	3	13.6	13	12.5	480 x 240 x 400	28
SES 5H-S15-R	5	23	22	21	480 x 240 x 400	30
SES 10H-S15-R	10	45	44	42	480 x 240 x 400	36
<b>Single Phase Input Swing ± 20%</b>						
SES 3H-S20-R	3	13.6	13	12.5	480 x 240 x 400	30
SES 5H-S20-R	5	23	22	21	480 x 240 x 400	36
SES 10H-S20-R	10	45	44	42	480 x 240 x 400	45
<b>Single Phase Input Swing ± 25%</b>						
SES 3H-S25-R	3	13.6	13	12.5	480 x 240 x 400	34
SES 5H-S25-R	5	23	22	21	480 x 240 x 400	36
SES 10H-S25-R	10	45	44	42	480 x 240 x 400	48
<b>Single Phase Input Swing ± 30%</b>						
SES 3H-S30-R	3	13.6	13	12.5	480 x 240 x 400	37
SES 5H-S30-R	5	23	22	21	480 x 240 x 400	40
SES 8H-S30-R	8	36	35	33	480 x 240 x 400	48
<b>Single Phase Input Swing ± 35%</b>						
SES 3H-S35-R	3	13.6	13	12.5	480 x 240 x 400	41
SES 5H-S35-R	5	23	22	21	480 x 240 x 400	48
SES 8H-S35-R	8	36	35	33	480 x 240 x 400	50
<b>Single Phase Input Swing ± 40%</b>						
SES 3H-S40-R	3	13.6	13	12.5	480 x 240 x 400	44
SES 5H-S40-R	5	23	22	21	480 x 240 x 400	50

Single Phase Model: SES-HL-RACK						
Input Voltage	220V; 230V or 240VAC Single Phase 50/60Hz (To Specify)					
Output Voltage	Presetable for any voltage between 100V; 110V or 120V 50/60Hz					
Model:	Rating KVA	Amps @ 100V	Amps @ 110V	Amps @ 120V	Dimensions (mm) W x H x D	Weight (Kgs)
<b>Single Phase Input Swing ± 15%</b>						
SES 3HL-S15-R	3	30	27	25	480 x 240 x 400	46
SES 5HL-S15-R	5	50	46	42	480 x 240 x 400	56
<b>Single Phase Input Swing ± 20%</b>						
SES 3HL-S20-R	3	30	27	25	480 x 240 x 400	48
SES 5HL-S20-R	5	50	46	42	480 x 240 x 400	62
<b>Single Phase Input Swing ± 25%</b>						
SES 3HL-S25-R	3	30	27	25	480 x 240 x 400	52
SES 5HL-S25-R	5	50	46	42	480 x 240 x 400	62



Front View



Rear View



#### Applications

- Computers
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- Electronics Equipment
- Testing Equipment
- Communication Systems
- TV/Radio Broadcasting Stations
- Audio/Video Systems
- Security Systems

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