

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



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Technical Specifications

Input Voltage	100V; 110V or 120VAC Single Phase (To Specify)	Total Harmonic Distortion	Less than 1%
Output Voltage	Presetable for any voltage between 100V; 110V or 120V.	Volt-free Contact	Normally close & Normally open
Output Voltage Accuracy	± 1%	Soft Switch-ON	Ensure that the output voltage is at its minimum upon Switch-On before it commence full stabilization
Frequency	47 – 65 Hz	Environment	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.
Response Time	<1.5ms	Construction	Enclosures to IP20, BS EN5490 / IEC 60529
Correction Time	A 10% supply variation will be corrected to within 2.5% in 0.6 seconds.	Conformance	BS EN50081-1;2 / IEC 61000-4-3;4
Efficiency	98%	CE Conformity	EN55022, EN50082-2,ENV50140-1
Power Factor	Any lagging to 0.95 leading	Warranty	Two Years
Surge ratings	10 x max current rating for 2 seconds 3 x max current rating for 1 minutes 2 x max current rating for 5 minutes	Standard Feature	Input circuit breaker Bypass control switch Over/low voltage protection Surge arrester Voltmeter
Surge Suppression	Protect loads against high-energy spikes and transient voltage.	Note: 1) 240V options available on order 2) Special voltage configurations available on order	
Surge Arrester	25KA at 135V (IEEE C62.41-2002) (IEC 61643-1:1998-02, EN 61643-11:2001)		

Single Phase Model: SES-L-RACK						
Model:	Rating KVA	Amps @ 100V	Amps @ 110V	Amps @ 120V	Dimensions (mm) W x H x D	Weight (Kgs)
Single Phase Input Swing ± 15%						
SES 3L-S15-R	3	30	27	25	480 x 240 x 400	28
SES 5L-S15-R	5	50	46	42	480 x 240 x 400	30
SES 10L-S15-R	10	100	91	83	480 x 240 x 400	36
Single Phase Input Swing ± 20%						
SES 3L-S20-R	3	30	27	25	480 x 240 x 400	30
SES 5L-S20-R	5	50	46	42	480 x 240 x 400	36
SES 10L-S20-R	10	100	91	83	480 x 240 x 400	45
Single Phase Input Swing ± 25%						
SES 3L-S25-R	3	30	27	25	480 x 240 x 400	34
SES 5L-S25-R	5	50	46	42	480 x 240 x 400	36
SES 10L-S25-R	10	100	91	83	480 x 240 x 400	48
Single Phase Input Swing ± 30%						
SES 3L-S30-R	3	30	27	25	480 x 240 x 400	37
SES 5L-S30-R	5	50	46	42	480 x 240 x 400	40
SES 8L-S30-R	8	80	73	67	480 x 240 x 400	48
Single Phase Input Swing ± 35%						
SES 3L-S35-R	3	30	27	25	480 x 240 x 400	41
SES 5L-S35-R	5	50	46	42	480 x 240 x 400	48
SES 8L-S35-R	8	80	73	67	480 x 240 x 400	50

Single Phase Model: SES-LH-RACK						
Model:	Rating KVA	Amps @ 220V	Amps @ 230V	Amps @ 240V	Dimensions (mm) W x H x D	Weight (Kgs)
Single Phase Input Swing ± 15%						
SES 3LH-S15-R	3	13.6	13	12.5	480 x 240 x 400	46
SES 5LH-S15-R	5	23	22	21	480 x 240 x 400	56
Single Phase Input Swing ± 20%						
SES 3LH-S20-R	3	13.6	13	12.5	480 x 240 x 400	48
SES 5LH-S20-R	5	23	22	21	480 x 240 x 400	62
Single Phase Input Swing ± 25%						
SES 3LH-S25-R	3	13.6	13	12.5	480 x 240 x 400	52
SES 5LH-S25-R	5	23	22	21	480 x 240 x 400	62



Front View



Rear View



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- Security Systems

