

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

Automatic Voltage Stabiliser

Technical Specifications

Input Voltage	400/230VAC \pm 35% 3 Phase 4 Wire
Output Voltage	400/230V AC 3 Phase 4 Wire (Presettable for any voltage between 346V to 440V).
Output Voltage Accuracy	\pm 1%
Frequency	47 – 65 Hz
Response Time	<1.5ms
Correction Time	A 10% supply variation will be corrected to within 2.5% in 0.6 seconds.
Efficiency	98%
Power Factor	Any lagging to 0.95 leading
Surge ratings	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
Surge Suppression	Protect loads against high-energy (Spike) and transient voltage.
Total Harmonic Distortion	Less than 1%
Independent Phase Control	Maintain each phase voltage stable irrespective of load unbalance.
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.
Construction	Enclosures to IP20, BS5490/IEC529
Conformance	BS 6527, BS6667, IEEE587
CE Conformity	EN55022, EN50082-2, ENV50140-1
Warranty	Two Years

Standard Features	Input circuit breaker. Bypass control switch. Over/Low voltage protection. Phase failure protection. Voltmeter/selector switch (internal)
Optional Accessories	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) 208V options available on order 2) Special voltage configurations available on order 3) Higher KVA rating options available on order	



Three Phase Model: SES-H-S35

Model:	Rating KVA	Model:	Rating KVA
SES 6H-3P-S35	6	SES 80H-3P-S35	80
SES 10H-3P-S35	10	SES 90H-3P-S35	90
SES 15H-3P-S35	15	SES 100H-3P-S35	100
SES 20H-3P-S35	20	SES 120H-3P-S35	120
SES 25H-3P-S35	25	SES 150H-3P-S35	150
SES 30H-3P-S35	30	SES 180H-3P-S35	180
SES 35H-3P-S35	35	SES 200H-3P-S35	200
SES 40H-3P-S35	40	SES 250H-3P-S35	250
SES 45H-3P-S35	45	SES 300H-3P-S35	300
SES 50H-3P-S35	50	SES 350H-3P-S35	350
SES 55H-3P-S35	55	SES 400H-3P-S35	400
SES 60H-3P-S35	60	SES 450H-3P-S35	450
SES 75H-3P-S35	75	SES 500H-3P-S35	500

Note: 1) Weight and dimensions upon request
2) 200V & 208V options available on order.
3) Special voltage configurations available on order
4) Higher KVA rating options available on order