

Automatic Voltage Stabiliser

Model SESL

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 SESL 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. SESL 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**
Three Phase 150 to 1500Kva
- **Input Voltage Range**
Input Voltage Range Available from $\pm 10\%$, $\pm 15\%$, $\pm 20\%$, $\pm 25\%$, $\pm 30\%$, (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**
Voltmeter (Internal)
Bypass control switch
- **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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Technical Specifications

Input Voltage	400/230VAC \pm 25% 3 Phase 4 Wire
Output Voltage	400/230V AC 3 Phase 4 Wire (Pre-settable 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, IEE587
CE Conformity	EN55022, EN50082-2, ENV50140-1
Warranty	Two Years
Standard Features	Voltmeter/selector switch (internal) Bypass control switch

Optional Accessories

Input Circuit Breaker
Output Circuit Breaker
Over / Low voltage protection
Phase failure protection.
Ammeter/selector switch
Frequency Meter
Lighting Arrestors
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: SESL

Model:	Rating KVA	Input Range	Output Voltage	Dimensions (mm) W x H x D	Weight (Kgs)
SESL 150H-3P-S25	150	\pm 25%	400V	1280 x 1850 x 800	710
SESL 180H-3P-S25	180	\pm 25%	400V	1280 x 1850 x 800	850
SESL 200H-3P-S25	200	\pm 25%	400V	1280 x 1850 x 800	880
SESL 250H-3P-S25	250	\pm 25%	400V	1280 x 1950 x 800	1000
SESL 300H-3P-S25	300	\pm 25%	400V	1280 x 1950 x 800	1160
SESL 350H-3P-S25	350	\pm 25%	400V	1280 x 1950 x 1100	1570
SESL 400H-3P-S25	400	\pm 25%	400V	1280 x 1950 x 1100	1600
SESL 450H-3P-S25	450	\pm 25%	400V	1280 x 1950 x 1100	1800
SESL 500H-3P-S25	500	\pm 25%	400V	1280 x 1950 x 1100	1950
SESL 600H-3P-S25	600	\pm 25%	400V	Weight and dimensions upon request	
SESL 750H-3P-S25	750	\pm 25%	400V	Weight and dimensions upon request	
SESL 800H-3P-S25	800	\pm 25%	400V	Weight and dimensions upon request	
SESL 900H-3P-S25	900	\pm 25%	400V	Weight and dimensions upon request	
SESL 1000H-3P-S25	1000	\pm 25%	400V	Weight and dimensions upon request	