

Step-Up or Step-Down Automatic Voltage Stabiliser

Model SES-HL or LH

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-HL or SES-LH Series** of "Step-Up" "Step-Down" Automatic Voltage Stabiliser, as the name implies, have both functions. It is both an Automatic Voltage Stabiliser with either a "Step-Up" or "Step-Down" voltage transformation (to specify). This enable, especially machine manufacturers or suppliers, to incorporate them into their equipment where supply mains voltage is different from their machine requirement eg CNC Machines, SMT Machines, etc.

Ashley-Edison specifically designed it for this particular application. This Model provides you with all the protection from mains voltage fluctuations, transients and voltage spikes. Their output voltage will be maintained constant continuously despite fluctuations in the mains supply. Our proven years of designing experience and time, field-tested equipment exposure have made our product rugged and reliable. This unit is built to withstand high instantaneous overloads and does not create any magnetic interference. They are quiet in operation and do not emit any harmonics, all you need to ensure that your sensitive equipment runs efficiently and trouble-free.

Features

- **Wide Range of Voltage Stabiliser**
Three Phase Up to 100Kva
- **Input Swing Range**
Input Swing Range Available from $\pm 15\%$, $\pm 20\%$, $\pm 25\%$ (To Specify)
- **Input Voltage Range**
380V, 400V, 415V, 190V, 200, 208, 220V (To Specify)
- **Output Voltage Range**
380V, 400V, 415V, 190V, 200, 208, 220V (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**
1 Year



Applications

- **Computers**
- **Medical Equipment**
- **Electronics Equipment**
- **Process Control Systems**
- **Production Line**
- **CNC Equipment**
- **SMT Equipment**
- **PCB Equipment**

Step-Down or Step-Up Automatic Voltage Stabiliser

Technical Specifications

Input Swing	± 15% 3 Phase 4 Wire (3Phase 3Wire to specify)
Output Voltage	(HL Models) 208/120V AC 3 Phase 4 Wire (3Phase 3Wire to specify) (Pre-settable for any voltage between 190V to 240V) (LH Models) 380/220V AC 3 Phase 4 Wire (3Phase 3Wire to specify) (Pre-settable for any voltage between 346V to 440V)
Output Voltage Accuracy	± 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	One Year

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) Special voltage configurations available on order 2) Higher KVA rating options available on order	



Applications

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- Medical Equipment
- Electronics Equipment
- Process Control Systems
- Production Line
- CNC Equipment
- SMT Equipment
- PCB Equipment

Three Phase Model: SES-HL-3P-S15 (Step-Down)					
Model:	Rating KVA	Input Voltage	Output Voltage	Dimensions (mm) W x H x D	Weight (Kgs)
SES 10HL-3P-S15	10	380V	208V	300 x 920 x 590	139
SES 15HL-3P-S15	15	380V	208V	300 x 920 x 590	142
SES 20HL-3P-S15	20	380V	208V	300 x 920 x 590	160
SES 25HL-3P-S15	25	380V	208V	300 x 550 x 590	180
SES 30HL-3P-S15	30	380V	208V	300 x 550 x 590	183
SES 35HL-3P-S15	35	380V	208V	380 x 1240 x 780	353
SES 40HL-3P-S15	40	380V	208V	380 x 1240 x 780	355
SES 45HL-3P-S15	45	380V	208V	380 x 1240 x 780	358
SES 50HL-3P-S15	50	380V	208V	380 x 1240 x 780	472
SES 55HL-3P-S15	55	380V	208V	380 x 1240 x 780	473
SES 60HL-3P-S15	60	380V	208V	380 x 1240 x 780	475

Three Phase Model: SES-LH-3P-S15 (Step-Up)					
Model:	Rating KVA	Input Voltage	Output Voltage	Dimensions (mm) W x H x D	Weight (Kgs)
SES 10HL-3P-S15	10	208V	380V	300 x 920 x 590	139
SES 15HL-3P-S15	15	208V	380V	300 x 920 x 590	142
SES 20HL-3P-S15	20	208V	380V	300 x 920 x 590	160
SES 25HL-3P-S15	25	208V	380V	300 x 550 x 590	180
SES 30HL-3P-S15	30	208V	380V	300 x 550 x 590	183
SES 35HL-3P-S15	35	208V	380V	380 x 1240 x 780	353
SES 40HL-3P-S15	40	208V	380V	380 x 1240 x 780	355
SES 45HL-3P-S15	45	208V	380V	380 x 1240 x 780	358
SES 50HL-3P-S15	50	208V	380V	380 x 1240 x 780	472
SES 55HL-3P-S15	55	208V	380V	380 x 1240 x 780	473
SES 60HL-3P-S15	60	208V	380V	380 x 1240 x 780	475

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