

Outdoor AC Automatic Voltage Stabilizers & Regulators

Cost Efficient Voltage Stabilization 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, Electromechanical / Electronic Servo **OSES Series** Outdoor AC Automatic Voltage Stabilizers, are designed to ensure that, should the incoming mains voltage drift high or low, the output voltage remains continuously constant. Characterized by high efficiency, they are completely unaffected by Power Factor, Load and Frequency variations. They are capable of withstanding high instantaneous overloads and do not generate any magnetic interference. Compact in size, quiet in operation, these Voltage Stabilizers are suitable for indoor and outdoor use and may be located near to sensitive equipment.

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

Soft Switch-ON feature will ensure that the Voltage Stabilizer is at its minimum upon switch-on before it commences full stabilization. Lack of this feature may cause a high output voltage surge from the stabilizer.

OSES SERIES SINGLE PHASE (LOW VOLTAGE) 3KVA ~ 40KVA



Models:

Low Voltage (L) Models
100V; 110V or 120V
(Single Phase)

High Voltage (H) Models
220V; 230V or 240V
(Single Phase)

Features:

- **Wide Range of Voltage Stabilizer**
Single Phase Up to 40 KVA
- **Input Swing Range**
Input Swing Range Available from $\pm 15\%$, $\pm 20\%$, $\pm 25\%$, $\pm 30\%$
(To Specify)
- **Output Voltage Regulation**
Output Voltage Accuracy $\pm 1\%$,
- **High Efficiency**
Better than 98%
- **Standard Protection Features**
Input circuit breaker
Voltmeter (Internal)
Bypass control switch
- **Optional Accessories**
Output circuit breaker
Ammeter (Internal)
Bypass control switch
Over Low Voltage Protection
Lightning Arrestor
Manual maintenance bypass switch
Heater / Thermostat for Low Temperature Applications

- **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

- Computer Systems
- Communication Systems
- TV/Radio Broadcasting Stations
- Security Systems
- Communication Stations
- Lighting Systems
- Golf Course Lighting Systems
- Perimeter Lighting



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Technical Specifications

Input Swing Range (S*Model)	$\pm 15\%$ (S15*), $\pm 20\%$ (S20*), $\pm 25\%$ (S25*), $\pm 30\%$ (S30*)	Total Harmonic Distortion	<1%
Output Voltage	Pre-settable for any voltage between 100V; 110V or 120V	Soft Switch-ON	Ensure that the output voltage is at its minimum upon Switch-On before it commence full stabilization
Output Voltage Accuracy	$\pm 1\%$	Environment	Temperature range -15 to 50 °C. Derate by 2% for each additional °C Up to max 65 °C . Suitable for indoor tropical use 95% RH (non-condensing). Maximum altitude 1000m. Derate by 2.5% for each additional 500m
Frequency	47 – 65 Hz	Construction	Enclosures to IP54, BS EN5490 / IEC 60529
Response Time	<1.5ms	EMC Conformance	BS EN50081-1;2 / IEC 61000-4-3;4
Correction Time	A 10% supply variation will be corrected to within 2.5% in 0.6 seconds	CE Conformity	EN55022, EN50082-2, ENV50140-1
Efficiency	98%	Standard Features	Input circuit breaker Bypass control switch internal voltmeter
Power Factor	Any lagging to 0.95 leading	Optional Accessories	Output circuit breaker Over/Low voltage protection Ammeter Lightning Arrestor Manual maintenance bypass switch Heater / Thermostat for Low Temperature Applications
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	Warranty	2 Years
Surge Suppression	Protect loads against high-energy spikes and transient voltage.	Note: Optional accessories added may affect dimension, subject to confirmation.	
Note: 1) Special voltage configurations available to order 2) Higher KVA rating options available to order / individual quotation.			

Single Phase Model: OSES-L-S*

Model:	Rating KVA	Amps @ 100V	Amps @ 110V	Amps @ 120V	Dimensions (mm) W x H x D	Weight (Kgs)
OSES 3L-S*	3	30	27	25	Dimensions and Weight upon request	
OSES 5L-S*	5	50	46	42		
OSES 8L-S*	8	80	73	67		
OSES 10L-S*	10	100	91	83		
OSES 15L-S*	15	150	136	125		
OSES 20L-S*	20	200	182	167		
OSES 25L-S*	25	250	227	208		
OSES 30L-S*	30	300	273	250		
OSES 40L-S*	40	400	364	333		

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