Ashley-Edison (UK)
World Leader In Voltage Stabilisers

Ashley-Edison I Global Power Protection

Outdoor AC Automatic Voltage Stabilisers & Regulators

OSES SERIES
THREE PHASE
6KVA ~ 500KVA

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, utilizing an **Advanced Digital Controller** for our Electromechanical / Electronic Servo **OSES Series** Outdoor AC Automatic Voltage Stabilisers, are designed to ensure that, should the incoming mains voltage drift high or low, the output voltage remain continuously constant. Characterised 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 Stabilisers are suitable for indoor use and may be located near to sensitive equipment.

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.

Utilizing Advanced Digital Controller

CE

Models:

High Voltage (H) Models
380/220V; 400/230V or 415/240V (Three Phase)

Low Voltage (L) Models
200/115V; 208/120V or 220/127V (Three Phase)

Features:

- ***Wide Range of Voltage Stabiliser***
  Three Phase Up to 500KVA
- ***Input Swing Range***
  Input Swing Range Available from ±15%, ±20%, ±25%, ±30%, ±35%, (To Specify)
- ***Output Voltage Regulation***
  Output Voltage Accuracy ± 0.5%,
- ***High Efficiency***
  Better than 98%
- ***Independent Phase Control Circuit***
  Sensing on all Three Individual Phases
- ***Soft Switch-ON***
  Ensure that the Voltage Stabiliser is at its minimum before it commence full stabilization
- ***Standard Protection Features***
  Input circuit breaker
  Over/low voltage protection
  Phase-failure protection
  Bypass control switch
  Voltmeter / Selector switch
- ***Optional Accessories***
  Output circuit breaker
  Ammeter / Selector switch
  Frequency meter
  Manual maintenance bypass switch
- ***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

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

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OSES-H-S* Series
Three Phase

Outdoor AC Automatic Voltage Stabilisers & Regulators

Technical Specifications

Input Swing Range *(To Specify)*	*±15%, ±20%, ±25%, ±30%, ±35%,* 3 Phase 4 Wire (3P+N)
Output Voltage	Presettable for any voltage between 380/220V; 400/230V or 415/240V
Output Voltage Accuracy	± 0.5%
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	10 x max current rating for 2 seconds 3 x max current rating for 1 minutes 2 x max current rating for 5 minutes
Surge Suppression	Protect loads against high-energy spikes and transient voltage.
Surge Arrester	40KA at 415V AC Class III (IEC 61643-1:1998-02, EN 61643-11:2001)
Total Harmonic Distortion	<1%

Independent Phase Control	Maintain each phase voltage stable irrespective of load unbalance, even up to 100% load unbalance
Soft Switch-ON	Ensure that the output voltage is at its minimum upon Switch-On before it commence full stabilization
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
Standard Features	Input circuit breaker Over/Low voltage protection Phase failure protection Bypass control switch Voltmeter/selector switch
Construction	Enclosures to IP54, BS EN5490 / IEC 60529
EMC Conformance	BS EN50081-1;2 / IEC 61000-4-3;4
CE Conformity	EN55022, EN50082-2,ENV50140-1
Optional Accessories	Output circuit breaker Ammeter/selector switch Frequency meter Manual maintenance bypass switch

Note: Optional accessories added may affect dimension, subject to confirmation.

Note: 1) 208V 3Phase 3Wire or 4Wire options available on order
2) Special voltage configurations available on order
3) Higher KVA rating options available on order

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Three Phase Model: OSES-H-3P-S*

Model:	Rating KVA	Amps @ 380V	Amps @ 400V	Amps @ 415V	Dimensions (mm) W x H x D	Weight (Kgs)
OSES 6H-3P-S	6	9.1	8.7	8.3	Dimensions and Weight upon request	
OSES 10H-3P-S	10	15.2	14.4.	13.9		
OSES 15H-3P-S	15	22.8	21.6	20.9		
OSES 20H-3P-S	20	30.4	28.9	27.8		
OSES 25H-3P-S	25	38	36.1	35		
OSES 30H-3P-S	30	46	43	42		
OSES 35H-3P-S	35	53	51	49		
OSES 40H-3P-S	40	61	58	56		
OSES 45H-3P-S	45	68	65	63		
OSES 50H-3P-S	50	76	72	70		
OSES 55H-3P-S	55	84	79	77		
OSES 60H-3P-S	60	91	87	83		
OSES 75H-3P-S	75	114	108	104		
OSES 80H-3P-S	80	122	115	111		
OSES 90H-3P-S	90	137	130	125		
OSES 100H-3P-S	100	152	144	139		
OSES120H-3P-S	120	182	173	167		
OSES 150H-3P-S	150	228	216	209		
OSES 180H-3P-S	180	273	260	250		
OSES 200H-3P-S	200	304	289	278		