



Ashley-Edison

Product Review



AC Voltage Stabilisers
AC Power Conditioners

Variable Transformers
Constant Voltage Compensators

Global Power Protection

AC Automatic Voltage Stabilisers & Regulators

Servo Electronic



SES Series

Single & Three Phase - 1 to 600 kVA

- Single & Three Phase models offering voltage stabilisation, spike attenuation and transverse mode suppression.
 - Single Phase Models** - 1 to 100 kVA
 - Three Phase (3P) Models** - 6 to 600 kVA
- Stabilised output volts may be set within
 - High Voltage (H) Models**
220 to 277V (345 to 480V Three Phase)
 - Low Voltage (L) Models**
100 to 127V (170 to 240V Three Phase)
- High output voltage accuracy better than 1%
- Wide choice of permissible supply voltage variations:
S15 $\pm 15\%$, S20 $\pm 20\%$, S25 $\pm 25\%$, S35 $\pm 35\%$, S40 $\pm 40\%$ & others to order
- Independent Phase Sensing Control
- High Efficiency – better than 98%
- Standard Protection feature included as standard
 - Input Circuit Breaker
 - Bypass Control Switch
 - Over / Low Voltage Protection
 - Phase Failure Protection
 - Voltmeter (Internal)
- Full International EN, IEC & CE Standards Compliance



SESL Series

Three Phase - 200 to 1500 kVA

- Three Phase models offering voltage stabilisation, spike attenuation and transverse mode suppression.
- Stabilised output volts may be set within
 - High Voltage (H) Models**
380 to 480V
 - Low Voltage (L) Models**
190 to 240V
- High output voltage accuracy better than 1%
- Wide choice of permissible supply voltage variations:
S10 $\pm 10\%$, S15 $\pm 15\%$, S20 $\pm 20\%$, S30 $\pm 30\%$ & others to order
- Independent Phase Sensing Control
- High Efficiency – better than 98%
- Standard Protection feature included as standard
 - Bypass Control Switch
 - Voltmeter (Internal)
- Full International EN, IEC & CE Standards Compliance

Now also available offering further enhanced reliability with Fault Tolerant Parallel Redundant Voltage Regulation Control (VRCM).

www.AshleyEdison.com

Other Servo Electronic Voltage Stabilisers



OSES Series

IP54 Outdoor Type

Single & Three Phase 6 to 700 kVA

Reliable SES Single & Three Phase Voltage Stabilisers presented in rugged IP54 compliant enclosures making them ideal for outdoor use.



SES-R Series

Rack Mount

Single Phase 3 to 15 kVA

SES Single Phase Voltage Stabilisers up to 10 kVA designed to fit in standard 19 inch rack mount cabinets.

Compact in nature, SES-R Stabilisers are ideal for computer, telecoms, and industrial rack mount applications.

Low & High Voltage Models available. **Now also models with Step Up /Step Down voltage facility.**



SES-HL & LH Series

Step Up / Step Down

Three Phase 10 to 100 kVA

SES-HL or SES-LH 'Step-Up' or 'Step-Down' Automatic Voltage Stabilisers deliver both voltage stabilisation and either 'step-up' or 'step-down' output voltage transformation.

These systems are particular popular with machine manufacturers and suppliers (eg. CNC & SMT machines) where the available mains voltage is different from the machines requirement and is prone to fluctuations.

Tailored to your exact requirements

Where a clients requirements cannot be fully met by our standard Voltage Stabiliser ranges we are often able to tailor existing designs to accommodate special needs.



Ashley-Edison (UK)

AC Automatic Voltage Stabilisers & Regulators

Solid State – Virtually Maintenance Free



PEN Series

Single & Three Phase - 2 to 200 kVA

- Single & Three Phase models
 - Single Phase Models - 2 to 30 kVA
 - Three Phase (3P) Models - 6 to 200 kVA
- Stabilised output volts may be set within
 - High Voltage (H) Models**
220 to 277V (380 to 480V Three Phase)
 - Low Voltage (L) Models**
100 to 127V (190 to 240V Three Phase)
- High output voltage accuracy better than 0.5%
- Wide choice of permissible supply voltage variations:
S15 $\pm 15\%$, S20 $\pm 20\%$, -20% +10% & others to order
- Independent Phase Sensing Control
- High Efficiency – better than 95%
- Full International EN, IEC & CE Standards Compliance

Also available in Outdoor IP54 enclosures - OPEN Series



MVSI Series

Three Phase - 100 to 1500 kVA

- Three Phase models offering voltage stabilisation, spike attenuation and transverse mode suppression.
- Stabilised output volts may be set within
 - High Voltage (H) Models**
380 to 480V
 - Low Voltage (L) Models**
190 to 240V
- High output voltage accuracy better than 1%
- Wide choice of permissible supply voltage variations:
S13 $\pm 13\%$, S18 $\pm 18\%$, S23 $\pm 23\%$, S28 $\pm 28\%$ & S3015 -30% +15%.
- Independent Phase Sensing Control
- High Efficiency – better than 98%
- Standard Protection feature included as standard
 - Loss of Phase & Phase Reversal Alarms
 - Over Temperature Alarms
 - Over Voltage and Low Voltage Alarms
 - Volt Free Contacts
 - Voltmeter & Ammeter
- Full International EN, IEC & CE Standards Compliance



IVSI Series

Three Phase - 500 to 3000 kVA

- Generally as per MVSI Series but Oil Cooled

www.AshleyEdison.com

AC Power Conditioners



PCV Series

Ferro Resonant

Single Phase
1 to 5 kVA

- Stabilised output volts may be set within
 - High Voltage (H) Models**
200 to 254V
 - Low Voltage (L) Models**
100 to 127V
- Output voltage accuracy of 1% (5%)
- Input Voltage permissible supply variation of -20%/+10% ($\pm 45\%$)
- High Efficiency – better than 90%
- Isolation Transformer provides 110 dB of common noise attenuation and neutral to ground bonding
- Energy Storage Ride Through – No loss of output voltage for input power losses up to 3 msec
- MTBF – Mean Time Between Failure >25 years
- Full International EN, IEC & CE Standards Compliance



PCS Series

Electronic Servo with
Isolation Transformer
Single & Three Phase
1 to 200 kVA

Also available in Outdoor IP54 enclosures - OPCS Series

- Single & Three Phase models
 - Single Phase Models** - 1 to 40 kVA
 - Three Phase Models** - 6 to 450 kVA
- Generally as per SES Series specification, with the inclusion of an Isolation Transformer providing 110 dB of common noise attenuation and neutral to ground bonding



PCEN Series

Solid State

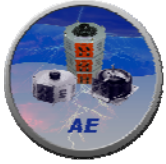
Single & Three Phase
1 to 200 kVA

Also available in Outdoor IP54 enclosures - OPCEN Series

- Single & Three Phase models
 - Single Phase Models** - 1 to 50 kVA
 - Three Phase Models** - 6 to 200 kVA
- Generally as per PEN Series specification, with the inclusion of an Isolation Transformer providing 110 dB of common noise attenuation and neutral to ground bonding

Ashley-Edison (UK)

Variable Transformers



AE & MAE Series

Single & Three Phase - 3 to 500 Amps / 120 - 600V

Single & Three Phase assemblies offering precise, infinitely variable AC voltage control to over 500 Amps. Enclosed and motorised options available.

Design Features:

- Smooth continuous control of voltage
- High Efficiency – better than 98%
- Negligible Waveform distortion
- Low torque operation

Manual Lab style single phase models now also available.

AC Constant Voltage Compensators

Servo Electronic Design

Delivering HUGE savings on long cable run costs



Cable Volt Drop Problems?

Installations with long cable runs have an inherent problem of developing high voltage drops across their cables. To overcome this it is necessary to select and use larger sized electrical cables in order to reduce such voltage drops to an acceptable level.

Today with ever rising copper prices, are you now spending far too much on those long "over-sized" electrical cable runs?

Our range of, both outdoor and indoor, cost efficient Voltage Compensators enable you to "compensate" for these expensive voltage drops, by boosting up voltage and keeping it constant - ensuring you are able to make **SUBSTANTIAL** savings on your electrical power cable costs.

CVC Series – Indoor IP20

OCVC Series – Outdoor IP54

Single & Three Phase - 3 to 750 kVA

- High output voltage accuracy better than 1.5%
- Four choices of input voltage range per model
- Independent Phase Voltage Compensation
- High Efficiency – better than 98%
- Standard Protection feature included as standard
 - Over / Low Voltage Protection
 - Phase Failure Protection
- Full International EN, IEC & CE Standards Compliance

Now also available with Fault Tolerant Parallel Redundant Voltage Regulation Control (VRCM) for enhanced reliability



All the Ashley-Edison ranges are covered by brochures giving full specifications. Ask for the copies you require or download our eCatalogue from our web site at

<http://www.AshleyEdison.com/eCatalogue>

Ashley-Edison (UK)

www.AshleyEdison.com



Global Power Protection

– the informed choice



Ashley-Edison is one of the leading power protection solution providers. Our products are on duty throughout the world offering protection of vital equipment where the power must never be found wanting – not even for a single second!

The sheer span of capability available from Ashley-Edison tells its own story. Every power protection solution we offer is backed by the unrivalled experience we have gained in world markets over the last 25 years or so. In that time, our unique design innovations have set new performance levels and the breadth of our offering has broadened to accommodate the needs and ever demanding requirements of our growing client base.

Our success is based entirely on our ability to meet the requirements of our customers dependably and cost-effectively. Today, where performance is everything, whatever your AC mains supply problem Ashley-Edison have the ability to offer a solution from our extensive range of standard and custom built products.

At your service



In Computers

Computers and other electronic business systems are highly sensitive to power fluctuations. Even a brief voltage drop below design limits will upset logic circuits, bringing chaos to stored data, calculations etc. So the fast response Ashley Edison Automatic Voltage Regulators (AVRs) are playing a major role in computer applications around the world.

In Telecommunications

TV, radio and telephone transmitters and relay stations, radar installations, navigational beacons etc. all need dependable power for reliable operation. Many such facilities are in remote locations, supplied over long lines or even from their own generators. Ashley-Edison units are in service worldwide - with communication networks, even national security, depending on them.

In Industry

Many processes and production lines slow down and even stop as a result of power problems. With just a simple voltage drop welding equipment produces faulty welds, ovens and furnaces take far longer to heat up, electroplating processes lose their efficiency and today's microprocessor controlled machine tools develop faults. All reasons why industrial plants worldwide look to Ashley-Edison for the solution to their power problems.

In Refrigeration

When air-conditioning and refrigeration systems experience any form of power disturbance, even just a minor voltage fluctuation, impaired performance or often system shutdown is the end result. As a major international problem Ashley-Edison units are regularly relied upon to guarantee the availability of a clean and regulated power source.

In Research

Electronic instruments play a major role in laboratory work and their measuring accuracy depends totally on the quality of power they receive. An abrupt voltage drop from a factory process starting up nearby perhaps can invalidate the results from a costly research program. Today many world research establishments depend on Ashley Edison for ensuring the quality of their power supply whether it be for a single instrument or an entire laboratory.