



Ashley-Edison[®]

Servo Electronic Overview



AC Voltage Stabilisers AC Power Conditioners



GENERAL COMMERCIAL & INDUSTRIAL PRODUCTS

SERVO ELECTRONIC
AC AUTOMATIC VOLTAGE STABILISERS
& POWER CONDITIONERS

This catalogue is presented as an overview of the SES, SESL & PCS ranges of indoor and outdoor Servo Electronic based Stabilisers and Power Conditioners - as designed and manufactured by Ashley-Edison UK.



Developed and produced under stringent ISO 9001 quality standards, our Servo Electronic ranges of single and three phase AC Voltage Stabilisers and Power Conditioners have proven to be our most popular power protection offerings. Capable of regulating the supply voltage to virtually any type of electrical or electronic equipment that suffers from supply line fluctuations, the latest generation of Servo Electronic protection solutions continues to lead the market by setting new higher performance levels, whilst always ensuring unparalleled reliability and versatility.

With over 25 years of unrivalled experience, gained in some of the world's most challenging and demanding power environments, our Servo Electronic based stabilisers and power conditioners are able to handle the widest of input voltage windows (up to $\pm 45\%$).

Now with extended range coverage, improved accuracy, the inclusion as standard of many advanced protection features (usually only available from others as additional expensive add-on options), the Ashley-Edison SES / SESL and PCS Series are widely held to be the finest ranges of affordable Quality AC Voltage Stabilisers & Power Conditioners.

CONTENTS

Page

Introduction	2
Quality	3
Operating Principle	3
Correction Times	3
Construction	3
Transformer Assemblies	3
Voltage Choices	4
Input Voltage Window Options & Output Voltage Accuracy	4
Available Features	5
Applications	6 / 7
Range Selection & Features	
- Single Phase	6
- Three Phase	7
Availability	8
Custom Built / Bespoke Solutions	8
Other Servo -Electronic Solutions	8
Further Information Resources	8

GENERAL COMMERCIAL & INDUSTRIAL PRODUCTS

SERVO ELECTRONIC RANGES

IP20 / NEMA 1 Style Indoor & IP54 NEMA 3 Style Outdoor Models

SES	1 to 600 kVA Single & Three Phase AC Voltage Stabilisers		
PCS	1 to 450 kVA Single & Three Phase AC Power Conditioners		
SES-R	3 to 15 kVA Single Phase Rack Mount AC Voltage Stabilisers		
SESL	200 to 1500 kVA Three Phase AC Voltage Stabilisers		
OSES OESL OPCS	IP54 / NEMA 3 Style Outdoor 3 to 1500 kVA Single & Three Phase AC Voltage Stabilisers & Power Conditioners		

OTHER VOLTAGE STABILISERS
& POWER CONDITIONERS available
from Ashley-Edison (UK) include:

GENERAL COMMERCIAL & INDUSTRIAL PRODUCTS

Solid State AC Voltage Stabilisers & Power Conditioners

- ✓ **Low Cost Voltage Stabilisers / Conditioners**
 - **VR Series** - 0.5 to 5 kVA Single Phase Voltage Stabilisers / Power Conditioners
- ✓ **Super Isolation AC Power Conditioners**
 - **PCV Series** - 0.5 to 5 kVA Single Phase AC Power Conditioners
- ✓ **Static Electronic AC Voltage Stabilisers and Power Conditioners**
 - **ESR Series** - 1 to over 3000 kVA Single Phase & Three Phase AC Voltage Stabilisers & Power Line Conditioners

RUGGED INDUSTRIAL PRODUCTS

- ✓ **Magnetic Induction AC Voltage Stabilisers**
 - **MVSI Series** - 200 to 2000 kVA Air Cooled Three Phase AC Voltage Stabilisers
 - **IVSI Series** - 500 to 3000 kVA Oil Cooled Three Phase AC Voltage Stabilisers

QUALITY GUARANTEED

Designed in the UK, and built at our manufacturing plant in Taiwan utilising ISO 9000 accredited build processes, all our stabilisers and power conditioners are designed and built to comply with leading international standards.

Only by consistently delivering exceptional long-term performance and quality are we able to endorse our product offerings with a “truly market leading” standard warranty of up to 3 Years.



ULTRA FAST CORRECTION TIMES

All our Servo Electronic based solutions offer exceptionally fast correction times. Stated in terms of the time taken to correct a 10% voltage variation to within 2.5% of the required output voltage we offer a correction time of 0.6 seconds.

Taking into account the time constant of power supplies, motors and other components making up the load, the speed of response is usually more than sufficient for 99% of all load types.

Our Servo Electronic stabilisers and conditioners are the most cost-effective and efficient method for ensuring a stable mains supply.

In situations where the load is particularly sensitive to even the smallest of voltage discrepancies and faster speeds of correction are necessary, such as extremely high precision hi-tech manufacturing processes or very sensitive laboratory testing instruments, our PEN and PCN ranges of Solid State Saturable Reactor based AC Voltage Stabilisers and Power Conditioners are available.

SOLID & ROBUST CONSTRUCTION

SES, SESL & PCS Series systems are housed in robust air-cooled IP20 (IEC/BS/EN 60529) / NEMA 1 floor standing steel cubicles, primarily intended for indoor use. These enclosures offer removable panels for ease of installation and servicing and, in addition, on all three phase models lockable door access is provided. On larger systems eyebolts are provided to assist handling during transportation and positioning. As an option, drip proof cowls can be fitted to deliver IP21 compliance.



SES-R models are supplied in a standard 19" rack mount format.

OSES & OPCS Series systems are primarily intended for outdoor use, being housed in durable IP54 (BS / EN 60529) / NEMA 3 free standing steel cubicles. For ease of installation and servicing all models offer removable panels, lockable front door access and, on larger systems, eyebolts to aid handling.



TRANSFORMER ASSEMBLIES

Our Servo Electronic designs are based on conventional, well proven and reliable technology. The fixed main power transformers, buck boost transformers and chokes have insulated copper windings (wire or strip according to current rating requirements) wound on laminated high permeability steel cores. The variable transformers are similarly wound with insulated copper windings on high permeability lengths of strip steel toroidal cores.

All transformer assemblies/windings manufactured, or used, conform to relevant BS / IEC specifications as appropriate.

OPERATING PRINCIPLE

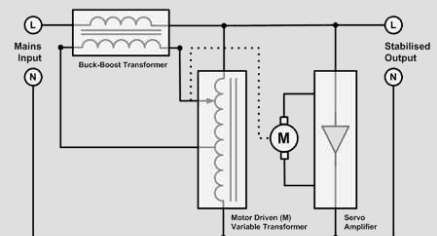
Tried, Tested and Well Proven



Over the last 25 years our Servo Electronic ranges have been tried, tested and extensively proven in all corners of the world – including some of the harshest and most remote power environments on this planet.

From the blistering heat of Arabian Desert to the sub-zero temperatures and remoteness of the Caucasian mountains, our Servo Electronic Stabilisers and Conditioners can be found on duty offering protection to vital equipment where the supply must never be found wanting – not even for a single second!

Being able to accommodate an input voltage swing of in excess of 40%, whilst still delivering accuracy on the output of 1% or better, the Servo Electronic design principle comprises a transformer having its secondary winding connected between the mains supply and the load. The primary voltage is automatically controlled through a servo motor driven variable transformer, thereby ensuring a continuous, smooth and very stable output voltage.

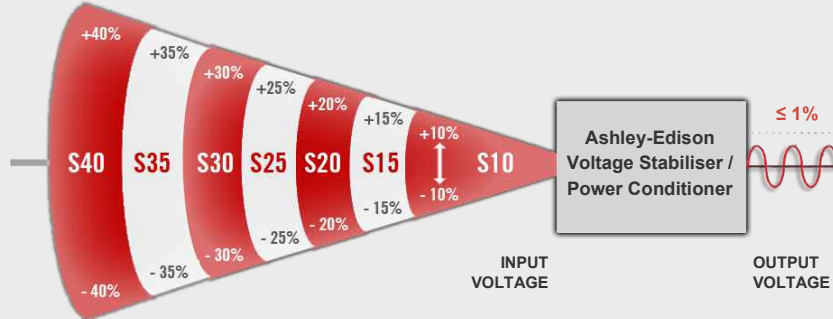


A solid state Servo-Amplifier continuously monitors the output voltage of the stabiliser. Should, due to an incoming voltage or load current change, the output voltage deviate from the required value, the Amplifier sensor instructs the servo motor to rotate the brush-gear on the variable transformer to correct the output for the deviation. The speed of detection and actions of the servo system are exceptionally fast, with controlled motor deceleration to minimise any possibility of overshoot.

Over the years with advances in semi-conductor, motor and digital technologies, our development engineers have considerably enhanced the performance of the basic design principle. Our latest Servo Electronic generation of solutions deliver the most reliable, fastest acting, highly stable and most energy efficient operation seen in the market today.

INPUT VOLTAGE WINDOW OPTIONS & OUTPUT VOLTAGE ACCURACY

Our Servo Electronic Solutions are available in a large range of input voltage range / swing options.



CONFIGURATION	Swing Model	NORMAL		EXTENDED			
		Output Voltage Accuracy	Input Voltage Swing	Output Voltage Accuracy	Input Voltage Swing	Output Voltage Accuracy	Input Voltage Swing
Single Phase							
2 Wire H & L Series	S15	1%	±15%	3%	-17% / +18%	5%	-19% / +21%
	S20	1%	±20%	3%	-22% / +23%	5%	-24% / +26%
	S25	1%	±25%	3%	-27% / +28%	5%	-29% / +31%
	S30	1%	±30%	3%	-32% / +33%	5%	-34% / +36%
	S35	1%	±35%	3%	-37% / +38%	5%	-39% / +41%
	S40	1%	±40%	3%	-42% / +43%	5%	-44% / +46%
Three Phase							
4 Wire H & LY Series	S10*	0.5%	±10%	3%	-12% / +13%	5%	-14% / +16%
	S15	0.5%	±15%	3%	-17% / +18%	5%	-19% / +21%
	S20	0.5%	±20%	3%	-22% / +23%	5%	-24% / +26%
	S25	0.5%	±25%	3%	-27% / +28%	5%	-29% / +31%
	S30	0.5%	±30%	3%	-32% / +33%	5%	-34% / +36%
	S35	0.5%	±35%	3%	-37% / +38%	5%	-39% / +41%
3 Wire HD & LD Series	S10*	1%	±10%	3%	-12% / +13%	5%	-14% / +16%
	S15	1%	±15%	3%	-17% / +18%	5%	-19% / +21%
	S20	1%	±20%	3%	-22% / +23%	5%	-24% / +26%
	S25	1%	±25%	3%	-27% / +28%	5%	-29% / +31%
	S30	1%	±30%	3%	-32% / +33%	5%	-34% / +36%
	S35	1%	±35%	3%	-37% / +38%	5%	-39% / +41%
S40	1%	±40%	3%	-42% / +43%	5%	-44% / +46%	

Wider input voltage swing models are available to special order. * = S10 option only available on SESL Range

In situations where there is a reasonably good mains supply, a stabiliser or power conditioner offering an input variation swing of ±15% (our S15 Models) will usually be more than acceptable, but in more remote locations, or countries where the national supply infrastructure is less developed, variations of ±20% or greater may need accommodation.

An output voltage to within ±1% / ± 0.5% of the preset output voltage is the norm when specifying a Voltage Stabiliser. However, if a lower output voltage accuracy of ±5% can be accommodated by the load equipment, the input voltage window can be further widened proportionally. Given that the cost of the stabiliser / power conditioner is linked to the size of the input voltage range it has to handle, accepting a lower output voltage accuracy may prove to be a more cost efficient solution than simply opting for a larger standard swing model.

VOLTAGE CHOICES AVAILABLE

High (H Series - International) and Low (L Series - US) voltage ranges are available, in single and three phase formats. In all models, the stabilised output voltage is pre-settable within limits.

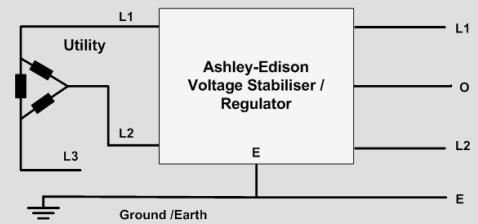
Series/Configuration	Single Phase Voltages	Three Phase Voltages
H Series	220 to 240V (254 to 277V)*	380 to 415V (440 to 480V)*
L Series	100 to 127V (220 to 240V)*	380 to 415V

* = Special Build

Single Phase Voltage Configurations

Single Phase models are offered as standard 2 Wire Solutions (1 Phase + Neutral).

For US applications 'Split Single Phase' 3 Wire solutions are also available—see below.

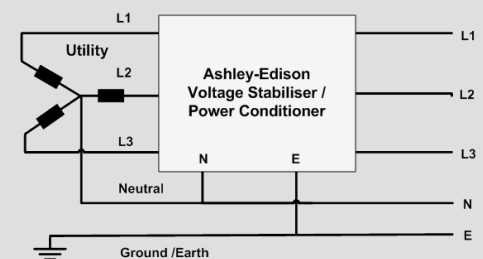


Three Phase Voltage Configurations

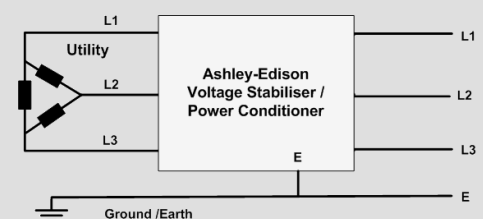
Three Phase models are available as either 4 Wire or 3 Wire solutions.

Series Three Phase	Configuration	
H & LY Series	4 Wire	3 Phase + Neutral
HD & LD Series	3 Wire	3 Phase - No Neutral

4 Wire Configuration



3 Wire Configuration





AVAILABLE FEATURES

Our Servo Electronic based stabilisers and power conditioners offer an unrivalled combination of features, providing exceptional performance and protection with great versatility and extremely high reliability.

Many features we incorporate as standard with our models are only available from others as expensive add-ons.

FEATURES & PROTECTION	Benefits	<i>Please refer to the appropriate range feature list for features available as standard, or as an add-on option, on a particular range.</i>
Automatic Voltage Stabilisation / Regulation	Step less automated regulation of the incoming voltage to deliver a highly accurate stable voltage for electronic and electrical load equipment.	
Cost-Efficient Servo Electronic Design	Cost effective compact servo electronic based design delivering negligible waveform distortion and extremely low harmonic distortion (<1%). Unaffected by load factor or supply frequency variations. With extremely high reliability (MTBF >125,000 Hours), long-life expectancy and efficiency of 98%, or better, ensures low running costs and cost of ownership.	
TVSS - Voltage Surge & Spike Suppression Protection	Inbuilt protection against damaging voltage spikes and transients.	
Independent Phase Balancing & Control	On Three Phase systems each phase voltage remains stable, irrespective of load unbalance, even for situations where a 100% load imbalance may exist.	
Inbuilt High Overload Capability	Ability to support electrical and electronic equipment with inherent initial high current draws on start up. Surge ratings – 10 x max current rating for 2 seconds, 3 x for 1 minute and 2 x for 5 minutes.	
Soft-Switch On / Start Up Load Protection	At the moment of switch on, the voltage stabiliser / conditioner will provide a controlled lower output voltage that will then rise smoothly to the pre-set output voltage - thereby avoiding any momentary over voltage situations which could possibly damage the connected load.	
Fault Tolerant Regulation Control	In the unlikely event of a phase control module failure, a parallel module will take over control with no loss in system capacity. Especially useful in extremely critical load applications.	
Power Module Protection	Protection on the variable transformer power modules to safeguard against excessive wear on the brush gear. A unique feature that, in the absence of effective routine maintenance, greatly minimises the risk of power module malfunction.	
Bypass Control Switch	Ability to bypass the inbuilt electronic controls circuitry to provide power to the load via the power stacks. Useful emergency feature in the unlikely event of a system malfunction.	
Extremely Low Maintenance	Offering an exceptionally low level of annual (or biennial) ongoing maintenance required, being deliverable by universally available skill sets held by most competent electricians.	
Over / Low Voltage Protection	SES / PCS models - Ability to configure the voltage stabiliser / power conditioner, if required, to shutdown in the event of the incoming voltage supply going outside the normal input window. SESL models - notification, via a 'no-volt' interface facility, of any over or under voltage situations. Ideal for on-site building (BMS) or monitoring systems.	
Phase Failure Protection	Any failure of phases on a three phase supply will be immediately detected and notified accordingly. SES / PCS models will automatically power down to protect the load side equipment.	
Input Circuit Breaker	Delivers over current input protection – fitted as standard on all SES, SES-R and PCS models.	
Enhanced Transient and Electrical Noise Attenuation	Through the inclusion of a shielded isolation transformer, provides enhanced spike and electrical noise (common & normal interference) suppression and neutral ground bonding. Delivers what is commonly referred to as a 'CLEAN' supply.	
Output Circuit Breaker	Ensures over current output protection – available as an option on all systems.	
Lightning Surge Protection	Protection against extremely high voltage surges and transients caused by lightning strikes on the supply line.	
Inbuilt Full Manual Maintenance Bypass Facility	'Break Before Make' bypass facility offering the ability to route the supply feed to bypass the stabiliser / conditioner. Useful when performing deep maintenance on the system, or in the highly unlikely event of a system malfunction.	
International Standards Compliance	Designed, manufactured and supplied to comply with leading international standards (including CE conformity).	
Up to 3 Years Standard Warranty	Market leading 'No Quibble' standard RTB warranty provision with 3 years / 36 months from date of shipment for indoor systems and 2 years / 24 Months for outdoor models.	

SYSTEM METERING & MONITORING	Benefits
Front Panel Status Monitoring & Metering	Front Panel display showing basic system status. Level of standard indication determined by selected model. Full metering available as add-on options.
Remote Operational Status Monitoring	No Volt Contacts delivering basic operational system status information for use by remote monitoring / building management systems.
Comprehensive Digital Power Metering & Monitoring	Optional microprocessor based digital power metering - monitoring V, A, W, VAR, PF, W Hrs & VAR Hrs and offering RS-485 output.

RANGE SELECTION & FEATURES

Single Phase Solutions



FEATURES

H Models - 220 to 277V L Models - 100 to 127V

VOLTAGE STABILISERS **CONDITIONERS**

Range Series		SES	SES-R	PCS
Rating	H Models	1 - 100 kVA	3 - 15 kVA	1 - 60 kVA
	L Models	1 - 40 kVA	3 - 10 kVA	1 - 30 kVA
Enclosure Type Ingress Protection Level	19" Rack Mount		✓	
	IP 20 / NEMA 1 (Indoor)	✓		✓
	IP 21 (Indoor)	⊙		⊙
	IP 54 / NEMA 3 (Outdoor)	OSES		OPCS
Features & Protection				
Automatic Voltage Stabilisation / Regulation		✓	✓	✓
Cost – Efficient Servo Electronic Design		✓	✓	✓
TVSS - Voltage Surge & Spike Suppression Protection		✓	✓	✓
Inbuilt High Overload Capability		✓	✓	✓
Soft-Switch On / Start Up Load Protection		✓	✓	✓
Bypass Control Switch		✓*	✓	✓*
Extremely Low Maintenance		✓	✓	✓
Over / Low Voltage Protection		✓	✓	✓
Input Circuit Breaker		✓	✓	✓
Enhanced Transient and Electrical Noise Attenuation				✓
Output Circuit Breaker		⊙	⊙	⊙
Lightning Surge Protection		⊙	⊙	⊙
Inbuilt Full Manual Maintenance Bypass Facility		⊙	⊙	⊙
International Standards Compliance		✓	✓	✓
Standard Warranty - 3 Years / 36 Months		✓	✓	✓
System Metering & Monitoring				
Front Panel Status Monitoring & Metering		✓*	✓	✓*
Over / Low Voltage NVC (No Volt Contacts)		✓	✓	✓
Remote Operational Status Monitoring via NVC		⊙	⊙	⊙
Comprehensive Digital Power Metering & Monitoring		⊙	⊙	⊙

KEY ✓ Standard ⊙ Optional Add-On ✓* Metering and Bypass facility dependent on model rating

All ranges are covered by individual data sheets giving full specification. Ask for the copies you require or download the relevant information sheets from our web site.

Please Note – SE Voltage Stabilisers & Power Conditioners are not designed to support / protect voltage "back feed" applications, where energy is required to be also fed back into the utility supply.

ASHLEY-EDISON (UK) at your Service



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 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 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.

RANGE SELECTION
& FEATURES



Three Phase Solutions

FEATURES		VOLTAGE STABILISERS		CONDITIONERS
		SES	SESL	PCS
H Models - 380 to 480V L Models - 190 to 240V				
Range Series				
Rating	H Models	6 - 600 kVA	200 - 1500 kVA	6 - 450 kVA
	L Models	6 - 500 kVA	200 - 400 kVA	6 - 200 kVA
Enclosure Type Ingress Protection Level	IP 20 / NEMA 1 (Indoor)	✓		✓
	IP 21 (Indoor)	⊙		⊙
	IP 54 / NEMA 3 (Outdoor)	OSES		OPCS
Features & Protection				
Automatic Voltage Stabilisation / Regulation		✓	✓	✓
Cost – Efficient Servo Electronic Design		✓	✓	✓
TVSS - Voltage Surge & Spike Suppression Protection		✓	✓	✓
Independent Phase Balancing & Control		✓	✓	✓
Inbuilt High Overload Capability		✓	✓	✓
Soft-Swith On / Start Up Load Protection		✓	✓	✓
Fault Tolerant Regulation Control			✓	
Power Module Protection		✓	✓	✓
Control Bypass Switch		✓	✓	✓
Extremely Low Maintenance		✓	✓	✓
Over / Low Voltage Protection		✓	⊙	✓
Phase Failure Protection		✓	⊙	✓
Input Circuit Breaker		✓	⊙	✓
Enhanced Transient and Electrical Noise Attenuation				✓
Output Circuit Breaker		⊙	⊙	⊙
Lightning Surge Protection		⊙	⊙	⊙
Inbuilt Full Manual Maintenance Bypass Facility		⊙	⊙	⊙
International Standards Compliance		✓	✓	✓
Standard Warranty - 3 Years / 36 Months		✓	✓	✓
System Metering & Monitoring				
Front Panel Status Monitoring & Metering		✓	✓	✓
Over / Low Voltage NVC (No Volt Contacts)		⊙	✓	⊙
Remote Operational Status Monitoring via NVC		⊙	✓	⊙
Comprehensive Digital Power Metering & Monitoring		⊙	⊙	⊙

KEY ✓ Standard ⊙ Optional Add-On

All ranges are covered by individual data sheets giving full specification. Ask for the copies you require or download the relevant information sheets from our web site.

Please Note – SE Voltage Stabilisers & Power Conditioners are not designed to support / protect voltage "back feed" applications, where energy is required to be also fed back into the utility supply.

ASHLEY-EDISON (UK)

at your Service continued

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.



With such problems being of common concern, Ashley-Edison stabilisers and power conditioners 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 programme.

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.

In Energy Efficiency

With world energy prices soaring and the global quest to reduce carbon emissions by electricity generators, many organisations are turning to Ashley-Edison to optimise their electricity usage.



Our **VOLTSTREAM** ranges of AC Automatic Voltage Optimisers (AVOs) are consistently delivering energy savings of between 10 to 20% on our customers' electricity bills.

Want to Learn more about the Power Protection Solutions available from Ashley-Edison (UK)?



Check out -

<https://www.AshleyEdisonUK.com>

AVAILABILITY

We offer probably the best availability on AC Voltage Stabiliser & Power Conditioning solutions.

Many of our most popular ratings are readily available from stock at the factory or from one of our strategically located Service and Distribution Hubs. Where a solution is not readily available, due to our considerable investment in component inventory and fine-tuned accredited build processes, we are able to ensure very short lead times on deliveries – *even for the largest of models!*

CUSTOM BUILT SOLUTIONS

Ashley-Edison, with a strong and wide manufacturing base, is able to meet the requirements of customers from our own in-house professional resources.

Where bespoke / custom built solutions are required we are able to call upon our extensive portfolio of proven standard designs and tailor offerings to accommodate, without breaking the bank, most individual specific requirements.



Modular 60 kVA Three Phase
AC Voltage Stabiliser



WANT TO KNOW MORE

Want to learn more about our Servo Electronic AC Voltage Stabilisers and Power Conditioners?

Please ask for copies of our

Product Range Data Sheets



All ranges are covered by individual data sheets giving full specification. Ask for the copies you require or download the relevant information sheets from our web site.

OTHER SERVO ELECTRONIC BASED SOLUTIONS

AC Voltage Optimisers



Single & Three Phase
10 - 1000 kVA Single &
Three Phase
Indoor IP20 & Outdoor IP54 Models

VOLTSTREAM

Cutting Energy Costs by up to 20%
and ensuring we all do our bit for the environment



A **VOLTSTREAM** Automatic Voltage Optimiser (AVO) reduces your energy usage by optimising the electricity supply voltage significantly reducing your ongoing electricity costs and, through the need for less energy, greatly assist in the quest for reducing your carbon footprint.

In addition, a **VOLTSTREAM** AVO protects electrical equipment against damaging power surges and voltage transients. Through ensuring an optimised supply voltage, your electrical load equipment should be able to operate more efficiently and be more able of obtaining intended design life - with the added benefit of reduced ongoing equipment maintenance costs.



AC Constant Voltage Compensators



Single & Three Phase
3 - 750 kVA Single & Three
Phase
Indoor IP20 & Outdoor IP54 Models

Cable Volt Drop Problems?
Obtain **HUGE** savings on long cable runs

Installations with long cable runs have an inherent problem of developing large 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 acceptable levels.

Today with ever rising copper prices, are you spending far too much on those "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.



DON'T BUY BLIND!



Voltage Stabilisers Buyers Guide with advice and guidance on selecting the most appropriate AC voltage stabiliser or power conditioner at cost-efficient prices.

NEED HELP SELECTING THE RIGHT MODEL FOR YOUR APPLICATION?

Check-out our Online Selection Tool at <https://www.AshleyEdison.co>

