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CLAUDE LYONS®
IN CONTROL - SINCE 1918

Claude Lyons Ltd is a subsidiary company of The Allendale Group Ltd.

CLSVR2023V1

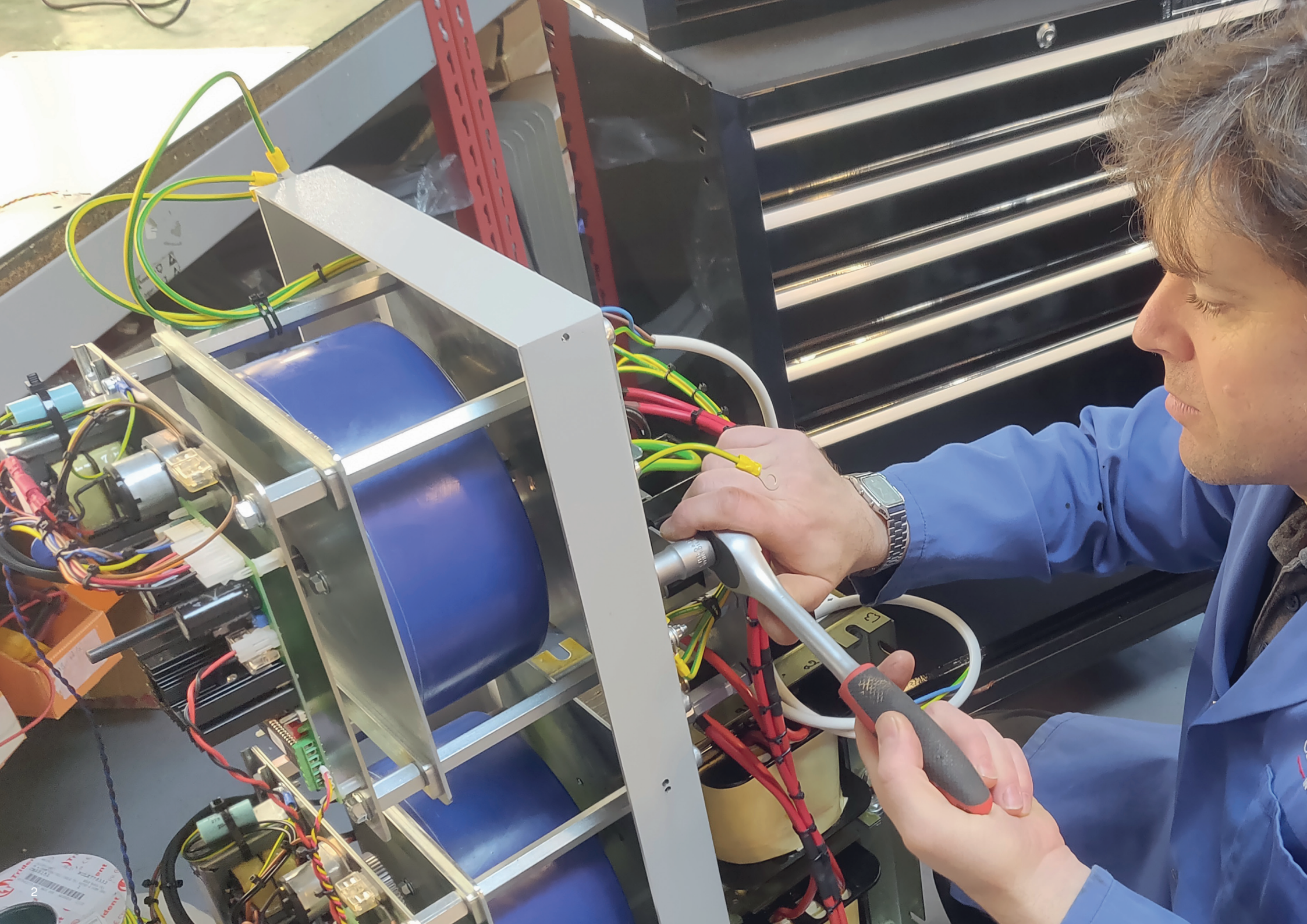
Accredited Distributor

CLAUDE LYONS®

SVR Series

Solid State Voltage Stabilisers

5kVA to 400+ kVA



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Claude Lyons – A Trusted Name in Voltage Control

At Claude Lyons, we have a proud history of supplying innovative, high-quality voltage control products, carefully designed to meet the ever-increasing demands of our customers worldwide.

Since the company's foundation in 1918, Claude Lyons has maintained a strong research and development focus, forging links with both university and government research departments over the years. Our R&D teams have worked to develop and refine effective solutions to power quality issues and create a range of innovative products to meet the latest challenges, and technical standards.

Innovation is just as important to Claude Lyons today. We are constantly looking to improve and build on our product ranges, from the TS servomechanical voltage stabilisers recognised for many years as the best in quality and reliability for voltage control, to our SVR electronic voltage stabilisers. The SVR range incorporates an outstanding array of innovative standard features designed to meet the most demanding applications. It also offers a previously unachievable 'maintenance-free' solution, thanks to its incredible reliability.

The Claude Lyons philosophy is the same today as it has always been: to provide customers with sound, engineering-based solutions produced to the highest levels of quality and reliability, ensuring a long service life. And our SVR range of voltage stabilisers achieves exactly that.

Our engineering team look forward to discussing your requirements.

Regards

Alan Ward
Managing Director
Claude Lyons Ltd
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claudelyons.com

Worldwide Sales and Support Coverage

Our global network of distributors ensures that you receive quality support, no matter where you are in the world. To become an accredited distributor, please get in touch: **sales@claudelyons.com**

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Our Brands at a Glance

CLAUDE LYONS®
IN CONTROL - SINCE 1918

Founded in 1918, Claude Lyons began as a supplier of components to the then-growing wireless industry. The company later diversified into the manufacturing and supply of variable transformers, leading to the creation of the TS range of voltage stabilisers, and more recently, the development of SVR electronic voltage stabilisers.

LYONS INSTRUMENTS

Incorporated in 1968 to serve as a specialist division of Claude Lyons, Lyons Instruments' focus was the marketing of scientific products relating to metrology and standards, test and measurement, technical software, frequency and signal sources to the scientific community. Lyons Instruments has long been associated with specialised quality products, particularly for use in research and development by the world's leading scientific communities.

Regavolt®

Registered in 1946, the Regavolt brand was applied to Claude Lyons-designed and manufactured variable transformers. After numerous re-designs and additions, the Regavolt brand is still widely recognised as a robust and versatile range.

BERCOSTAT

Registered in 1951, Bercostat is a range of variable resistors, or Rheostats. Bercostat units are still in use today where higher wattage variable resistors are required.

TS® VOLTAGE STABILISERS

Built on decades of service to government, industry, academia and scientific research in the field of power control, TS has long been renowned as an industry-leading brand in voltage stabilisation.

Portavolt

Incorporating the technology of the renowned Regavolt variable transformers, the Portavolt range offers the reliability and flexibility of the Regavolt enclosed in a convenient, portable unit with optional metering, making it ideal for laboratory and test applications.

TEC

Created in 1941, TEC developed a reputation for the high-quality design and build of its transformers. The brand was acquired by Claude Lyons to meet internal transformer requirements and was incorporated into their portfolio of voltage stabilisers.

powersave

Reducing energy worldwide

The PowerSave range is specifically designed to reduce energy use through voltage optimisation and regulation. PowerSave is grounded in established and renowned Claude Lyons voltage control technology, and is effective in helping businesses reduce operating costs, energy consumption and carbon emissions.

MADE IN BRITAIN

Claude Lyons are proud members of the Made In Britain organisation. The Made In Britain mark is displayed on the equipment we manufacture, the Claude Lyons website and in all related marketing media. A small number of products in the Claude Lyons portfolio are not exclusively manufactured by Claude Lyons in the UK and the mark is not applicable to these. Nor, wherever reasonably possible, is it displayed in such a manner as to infer that these products may be Made In Britain. If you require any specific confirmation on which such items this caveat relates to, please email: **sales@claudelyons.com** for details.

Going from strength to strength since...

1918

1918

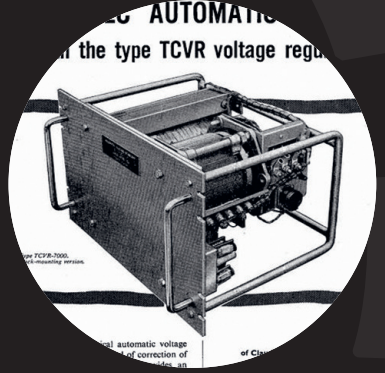
Claude Lyons sets up in business

After leaving the British Army, Claude Lyons establishes the company with capital from his disability pension.

1933

Introduction of the Variac® variable transformer

Units are imported from the USA until production commences at the company's new UK manufacturing facility.



1939

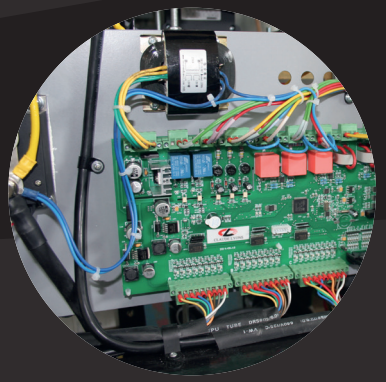
Claude Lyons enters the field of mains voltage stabilisation

Early pioneers in voltage control products, the company soon becomes world-renowned for high-quality, reliable systems.

1955

Introduction of servomechanical voltage stabilisers

Production of the robust and proven TS series of voltage stabilisers continues in Hoddesdon, Hertfordshire.



2014

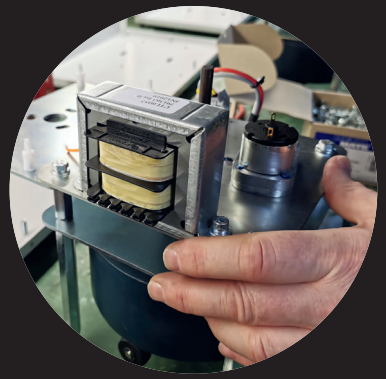
Development of the SVR series of solid-state stabilisers

Advances in silicon technology and subsequent reductions in cost pave the way for the development of solid-state stabilisers.

2016

Claude Lyons becomes part of the Allendale Group

A long-term supplier to the company, the opportunity arises for the Allendale Group to acquire the brand and product ranges.



2017

TS Stabilisers resumes UK production

The product sees a design overhaul in order to meet the latest standard BS EN61558-2-26.

2023

Allendale continues to invest

With investment in an additional 11,000 square feet of manufacturing and storage space, the company has ambitious plans to continue the innovation and development of new products.

Applications

Delivering innovative solutions across multiple markets

All mains-powered equipment requires a supply which is maintained within certain limits. A low supply voltage will cause malfunction, whilst a high supply voltage will cause serious damage.

Users of electronic and other sensitive equipment need a steady and reliable flow of voltage free of transient spikes and electrical noise. While this used to be a problem mainly for developing countries, it has become a global issue due to ever increasing demand for electrical power. Demand is now surpassing supply capacity and distribution, resulting in significant voltage fluctuations, power surges, and brownouts in the national power supply.

Using a suitably sized AC voltage stabiliser or power conditioner helps overcome these problems, safeguarding vital communication networks and other safety-critical control applications.

Typical applications include:

Medical

Maintaining the correct supply voltage to medical equipment is crucial to meet equipment operating requirements. Claude Lyons SVR voltage stabilisers provide stable voltage to X-ray, CT and MRI installations, as well as in mobile applications where power feed quality to the van or trailer is questionable.

Manufacturing

In manufacturing, control of all parameters is key to ensuring efficient and consistent output. Every variable needs to be controlled and maintained, whether it's the temperature in the building or process, the pressure of compressed air systems, or the voltage supply to equipment.

Offshore Rigs

The deployment of offshore rigs in some of the most inhospitable environments will naturally create demanding power requirements. Claude Lyons developed model variants to meet these challenging needs; these units are used in numerous locations worldwide to enable surveying, drilling and production to be undertaken without the power supply problems restricting operations.

UPS / Generators

In today's technology-reliant world, uninterruptible power supply is a fundamental requirement. By backing up systems with SVR voltage stabilisers, you can increase system resilience and avoid UPS operation failure where supply voltage variation has induced overload or prevented effective battery charging.

Railways

Railways have always proved a challenging environment, creating numerous power-related issues. These can be corrected by installing maintenance-free Claude Lyons SVR voltage stabilisers, suitable for both indoor and trackside locations.

Testing and calibration

Having complete control over the temperature and humidity in testing and calibration laboratories is crucial. Just as important is the need to provide a stable, controlled mains supply voltage, both to the equipment under test and to the testing instrumentation. Claude Lyons SVR voltage stabilisers are the ideal solution.

Distribution Network Operators

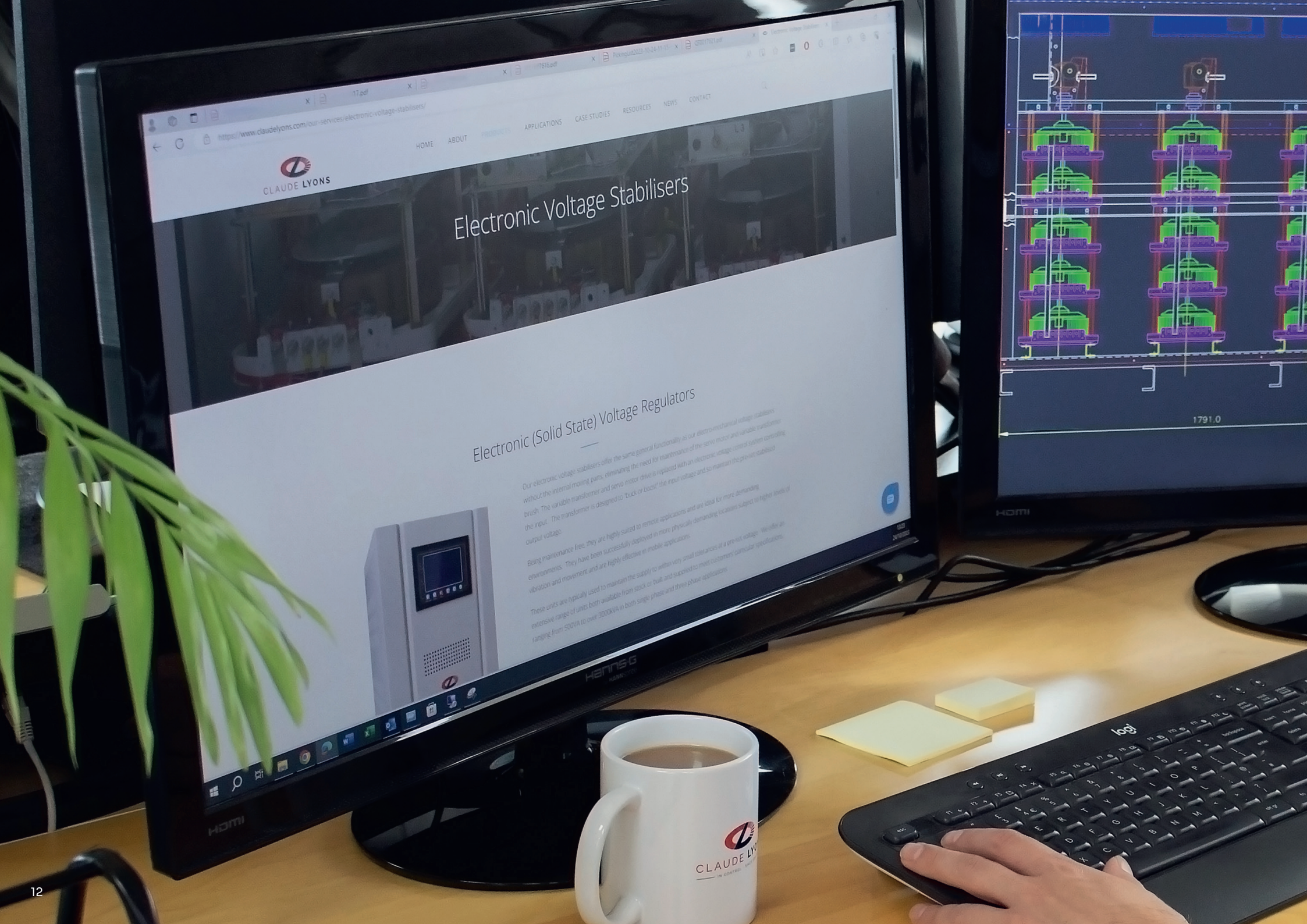
Most DNOs face major challenges concerning changing power requirements and demands. Claude Lyons voltage stabilisers can help resolve issues like network imbalance and voltage variation, assisting in returning and maintaining supplies within statutory limits.

Communication / Broadcasting

It is crucial to maintain appropriate incoming supply voltage for broadcast and communication equipment to prevent malfunctions and increase the Mean Time Between Failures (MTBF). With the growing complexity of electronics in this industry, protecting equipment in this way has become essential.

Energy Management

The Claude Lyons PowerSave range offers cost-effective, innovative technology, helping companies reduce their energy bills by up to 25%. They work by reducing and regulating the mains voltage to the optimised level required by electrical equipment, which is often considerably lower than the standard supply value.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Electronic (Solid State) Voltage Regulators
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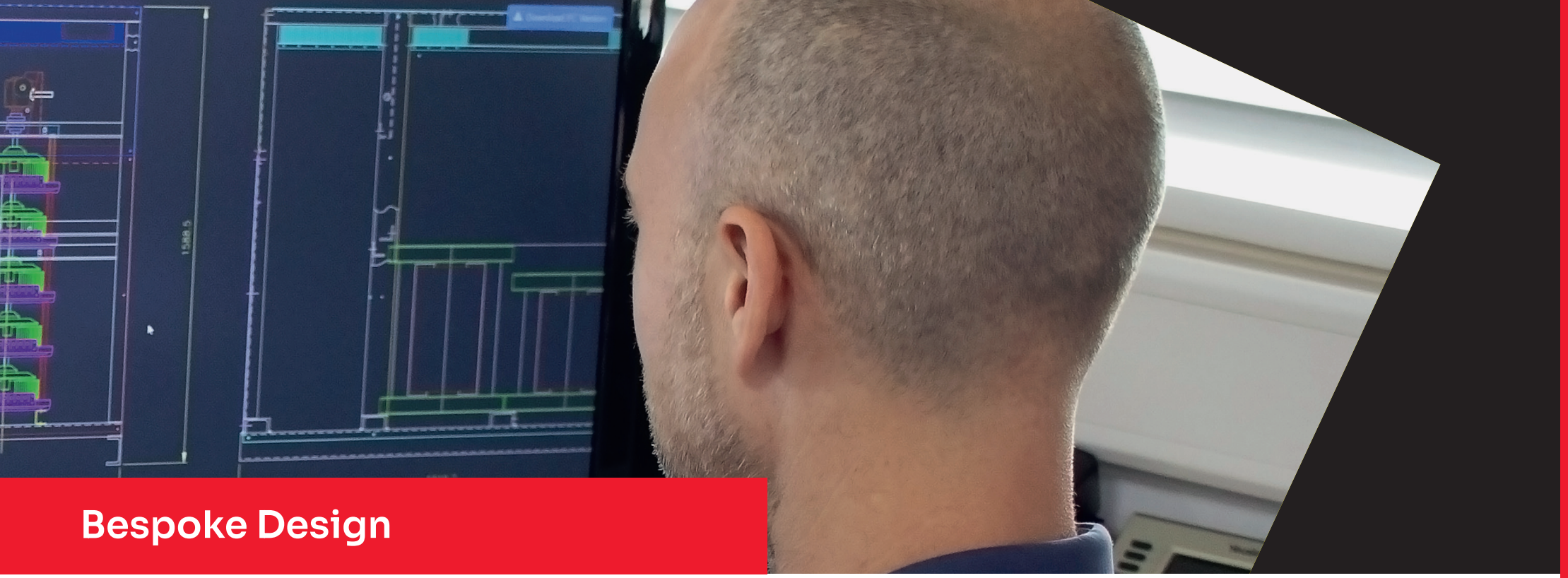


Bespoke Design

The standard range of Claude Lyons SVR electronic voltage stabilisers incorporates an impressive array of options, many of which can be programmed to provide tailored solutions to meet specific requirements. However, if you require something truly bespoke, we can help.

Claude Lyons takes pride in offering bespoke design solutions that meet even the most specialised requirements. Our in-house design and manufacturing facilities enable us to deliver projects quickly and cost-effectively, while maintaining the highest standards of quality. From the first enquiry to final project delivery, we are committed to ensuring that our clients receive the best possible service and results.

Claude Lyons has helped countless customers over the years. With our extensive experience in voltage control, we confidently provide tailored solutions for a wide range of industries. Specify your requirements and we'll deliver the perfect solution.

The following list demonstrates some of the bespoke design projects and specialised applications we have worked on in the past, which is by no means exhaustive but showcases the different requirements we can cater to:

- High ambient temperatures
- Low ambient temperatures
- High altitude
- Railway – trackside
- Offshore rigs
- Underground railway
- Specialised enclosures
- Non-standard adjustment ranges
- Extra-fine output tolerances
- Remote monitoring

What is a Voltage Stabiliser?

A voltage stabiliser, also known as a voltage regulator, is a device that is designed to stabilise the incoming mains supply voltage before feeding it to the connected equipment. The stabiliser monitors the input voltage level and compares it to a pre-set value. If the incoming voltage level deviates from the pre-set value by more than the stabiliser's output tolerance, it will adjust the voltage supply to ensure that it remains stable.

The voltage stabiliser adjusts the incoming supply voltage to ensure that the output voltage is within the tolerance range of the pre-set value. If the incoming voltage is higher than the pre-set value, it reduces the voltage. Conversely, if the incoming voltage is lower, it increases the voltage.

→ Why are voltage stabilisers needed?

Some equipment can be permanently damaged by operating outside of its designed supply range. Some other types of equipment require a controlled supply voltage to ensure accuracy, consistency or repeatability of operation.

Voltage stabilisers serve as a protective barrier between your equipment and the mains supply. They continuously monitor and stabilise voltage fluctuations that occur in the incoming mains supply. This ensures that your valuable appliances receive a consistent and stabilised voltage input that is in line with the applicable equipment design voltage. As a result, your appliances will operate trouble-free, reliably, and enjoy a long operational life.

→ How do Claude Lyons voltage stabilisers adjust the voltage?

Claude Lyons TS and MS/MSB voltage stabilisers work by adjusting the voltage through the application of an in-phase or out-of-phase voltage of variable magnitude on the primary winding of a buck-and-boost transformer. This adjustment helps control the voltage in the secondary winding, which is connected in series between the supply and the load.

As this operating system only supplies the buck-and-boost transformer with the corrective voltage necessary to restore the output within tolerance, the variable power is only a fraction of the total system power.

The current supplied by the voltage stabiliser is totally dependent upon the load applied. Provided the voltage stabiliser is operated within its specified limits, the output voltage delivered to the load will be maintained within the voltage stabiliser's tolerance of the pre-set output voltage level. The voltage stabiliser automatically controls adjustments to the output voltage to counter voltage variations due to supply or load variations.

Claude Lyons SVR voltage stabilisers function similarly to other stabilisers, but instead of providing variable power to the buck-boost transformers, they utilise multiple buck-boost transformers that are switched in-phase or out-of-phase, thereby providing a highly efficient way of regulating the voltage output delivered to the load. By using a Claude Lyons SVR stabiliser, you can be assured that your output voltage will remain stable within the pre-set tolerance. The amount of current supplied by the voltage stabiliser is also entirely dependent on the load applied.

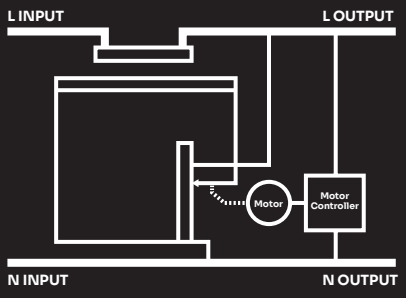
Stabiliser Technologies

Claude Lyons' wealth of experience and rich history of developing and enhancing its products have resulted in the integration of two prime technologies in its current range of voltage stabilisers, providing superior performance and reliability.

→ Claude Lyons TS Servomechanical Voltage Stabilisers

The Claude Lyons TS series servomechanical voltage stabilisers were until recently based on the most widely utilised technologies for voltage stabilisers. Claude Lyons introduced the servomechanical voltage stabiliser in the 1950s, a natural progression from the range of CVT transformers it superseded, and a valuable production addition and companion to its variable transformer production.

Based on a variable transformer which has a fixed tap as well as a moving brush which feeds the primary of a buck-boost transformer, the buck-boost transformer has a single low voltage high current secondary winding and one (or more, depending on the model) primary winding. The secondary winding is connected in series between the mains and the load. The primary winding is connected to the variable output of the auto-transformer, which is motor-driven and controlled by a motor controller.



Advantages

Rugged design - fast response - close tolerance outputs available.

Disadvantages

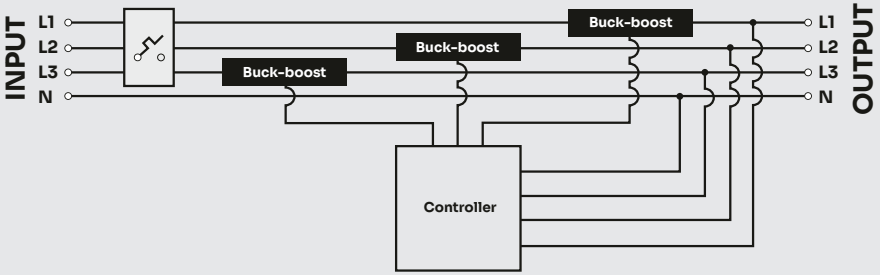
Moving parts - requires servicing.

Applications

Very popular and understood technology – used worldwide and a well-respected and trusted brand. Universally applied – regularly specified where system or process requires precision stabilisation.

→ Claude Lyons SVR Series Electronic Voltage Stabilisers

The SVR series of solid-state voltage stabilisers has been designed using the latest microprocessor control technology. It features fast true RMS sensing, along with a fast AC thyristor, ensuring stable and efficient voltage stabilisation. The tried and tested buck-boost transformer technology provides stable, efficient rugged voltage stabilisation without added waveform distortion.



Advantages

Rugged design - ultra-wide input swing ranges available - ultra-fast response - no moving parts – maintenance-free.

Disadvantages

The Claude Lyons SVR series has wider output tolerances of ±1.3% compared to the TS Series' ±0.5%. However, for most applications, a tolerance of ±1.3% is more than sufficient, and an even lower range is often perfectly adequate.

Applications

Universally applied – Claude Lyons SVR stabilisers are increasingly replacing most other voltage stabiliser technologies and have become the preferred choice for voltage stabilisation in many applications, surpassing the reputation of the TS voltage stabiliser.

SVR vs TS Series

Features	SVR	TS
Microprocessor-controlled	✓	✓
Moving Parts	✗	✓
Service / Maintenance Required[1]	✗	✓
Safe Start[2]	✓	Optional
LCD User Interface	✓	Optional
Standard Input Swing Ranges up to	± 45.5 %	± 25 %
Standard Output Tolerances to[3]	1.3 %	± 0.5 %
Independent Phase Sense / Control	✓	✓
Undervoltage Detection (Programmable)	✓	Optional
Input MCCB	✓	Optional
Output Contactor	✓	Optional
Overvoltage Detection (Programmable)	✓	Optional
Phase Loss Detection	✓	Optional
Internal No-break Bypass	✓	✗
Internal Alarm Sounder	✓	Optional
Volt-free Alarm Contacts	✓	Optional
Overcurrent Detection (Programmable)	✓	Optional
Voltage Adjustment via User Interface	✓	Optional
System Event Log	✓	Optional
System Status Displayed	✓	Optional
True RMS Sensing	✓	✓
Phase Balancing	✓	✓
IP00 - Open Frame	Optional	Optional
Rack Mount	Optional	Optional
IP65 – External Enclosure	Optional	Optional
External Interface Options	✓	✗
Remote Monitoring	Optional	Optional

Notes: 1 Where no servicing/maintenance is stated, routine inspection is recommended to ensure good housekeeping. 2 Safe Start ensures the output starts from a low output level or stabilises before enabling Output On. 3 Higher precision output tolerances available with bespoke systems.

Choose Your Model

Need help selecting? Our engineers are here to help.

1 Power Supply

Select the number of phases required:

- Single phase
- Three phase

2 Output Voltage

Select the output voltage required:

- 220, 230, 240 V, L-N (single or three phase)
- 380, 400, 415, 420 V, L-L (three phase)

Need 110 V or another output voltage? Please contact us.

3 Power (Unit Rating)

Provide the load current required, either in amps (maximum RMS current) or kVA rating:

Single phase:	21-227 A 5-50 kVA
Three phase	41-608 A 30-400 kVA

Need larger than 400 kVA? Please contact us.

4 Range Selection

Select the most suitable range model:

Swing Range Model	Input Voltage Range	Output Voltage Tolerance
R18	+/- 9%	+/- 1.3%-
R30	+/15%	+/- 2.2%-
R39	+/- 19.5%	+/- 1.3%-
R42	+/- 21%	+/- 3.5%-
R60	+/- 30.4%	+/- 4.3%-
R65	+/- 32.5%	+/- 2.2%-
R90	+/- 45.5%	+/- 3.5%-

Table percentages are based on the output voltage (set point). Higher precision output tolerances available.

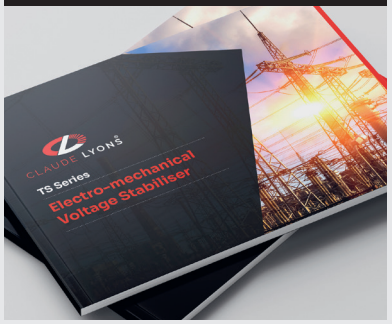
5 Special Requirements

Our in-house design team can tailor our systems to your specific requirements and environment:

- IP rating – IP00-IP65
- Isolated output
- Ambient conditions
- Altitude compensation
- Remote monitoring
- Remote sensing

→ Do you require an electromechanical voltage stabiliser?

See our TS series



For more information and advice, please get in touch:

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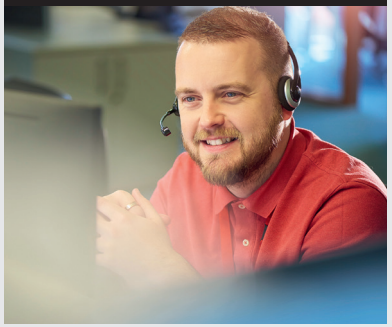


Single Phase

SVR Series
Electronic Voltage Stabilisers

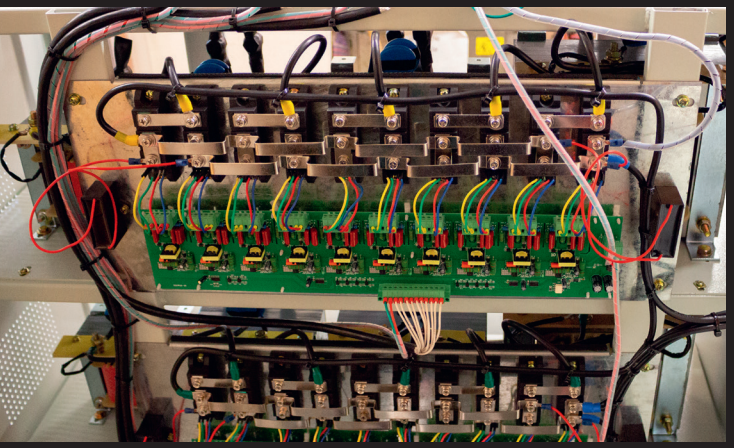
Solid-state Technology

Introducing the Claude Lyons® SVR series of electronic solid-state voltage stabilisers – an intelligent, contactless system with no mechanical components. Thanks to the microprocessor control and sensing technology along with fast and accurate true RMS Sensing and robust buck-boost transformer technology, you can achieve stable, efficient and maintenance-free voltage stabilisation without any additional waveform distortion.

Internal Bypass, User Interface and Overload Protection fitted as standard.

Features

- Fast, accurate voltage stabilisation
- LCD display with user-friendly interface
- Internal automatic bypass fitted as standard
- Undervoltage and overvoltage protection
- Overcurrent protection
- No added waveform distortion
- Wide range of standard models available
- Non-standard models available on request
- In-house design and manufacture to meet customer specification
- Standard or input swing options, non-standard models available to order
- Local and remote alarm and monitoring options
- Maintenance-free



Standard Range Typical Specifications

Input Voltage

Nominal Voltages*	220,230,240 V
Ranges	±9 % to ± 45.5 %
Frequency	50Hz or 60Hz

Output Voltage

Nominal Voltages*	220,230,240 V
Tolerance*	±1.3 % to ± 4.3 %
Adjustment*	214 to 246 V

System

Response Time	Fast 20mS
Waveform Distortion	None Added
Efficiency	≥ 98 %
Safe Start	Delayed Output
Overload Capacity	5 times for 1 second

Protection

Undervoltage	Output V <10% Output - Off
Overvoltage	Output V >10% Output - Off
Under/Overvoltage Delay	Programmable Delay (5 – 30 seconds)
Under/Overvoltage Recovery Delay	Programmable Delay (0 – 60 minutes)
Phase Loss	Output Off
Overcurrent	Programmable Electronic Protection and MCCB
Overcurrent Delay	Programmable Delay (6 – 600 seconds)
Overcurrent Recovery Time	Programmable Delay (0 – 60 minutes)
Short Circuit	Double Protection Electronic and MCCB
Bypass	Internal No-Break Bypass
Alarm	Internal Sounder
Alarm Contacts	Volt Free Contacts

Display

Input Voltage	True RMS Input Voltage Display
Output Voltage	True RMS Output Voltage Display
Output Current	True RMS Output Current Display
Overvoltage	Warning
Undervoltage Warning	Warning
Overload	Warning
System Fault	Warning
Status	Current System Status

Environmental

Operational Temperature	-5°C to +45°C*
Maximum Mean Temperature	+35°C over 24 hours*
Humidity	95% Non-Condensing
Cooling	Natural Air Cooled / Fan Assist*
Altitude	Above 1000m derate by 2.5% / 500m

Enclosure*

IP Rating	IP20*
Mounting	Floorstanding*
Material	Sheet Mild Steel Construction*
Finish	Standard Commercial Powder Coat*

Packing

Commercial	Standard
Export Crate	Optional

***Other values, ranges and options available upon request.**

Single Phase 220V SVR Voltage Stabilisers

	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
kVA	Output Set Point (V)	220	220	220	220	220	220	220
	Output Set Point Range (V)	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	200 -240	187 - 253	177 - 263	174 - 266	153 - 287	149 - 292	120 - 320
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	217 - 223	215 - 225	217 - 223	212 - 228	211 - 229	215 - 225	212 – 228

		R18	R30	R39	R42	R60	R65	R90
5 kVA 23A	Maximum Output Current (A)	23	23	23	23	23	23	23
	Model	CL-SVR-1-5-R18-220	CL-SVR-1-5-R30-220	CL-SVR-1-5-R39-220	CL-SVR-1-5-R42-220	CL-SVR-1-5-R60-220	CL-SVR-1-5-R65-220	CL-SVR-1-5-R90-220
	Unit Size (W x D x H mm)	250 x 350 x 450	300 x 400 x 500	400 x 450 x 600	350 x 450 x 550	400 x 500 x 600	450 x 500 x 750	500 x 550 x 800
	Unit Weight (kg)	49	54	70	62	72	81	97
	Packed Size (W x D x H mm)	330 x 430 x 650	380 x 480 x 700	480 x 530 x 800	430 x 530 x 750	480 x 580 x 800	530 x 580 x 950	580 x 630 x 1000
	Packed Weight (kg)	74	79	95	87	97	106	122

		R18	R30	R39	R42	R60	R65	R90
10 kVA 45A	Maximum Output Current (A)	45	45	45	45	45	45	45
	Model	CL-SVR-1-10-R18-220	CL-SVR-1-10-R30-220	CL-SVR-1-10-R39-220	CL-SVR-1-10-R42-220	CL-SVR-1-10-R60-220	CL-SVR-1-10-R65-220	CL-SVR-1-10-R90-220
	Unit Size (W x D x H mm)	250 x 350 x 450	300 x 400 x 500	400 x 450 x 600	350 x 450 x 550	400 x 500 x 600	450 x 500 x 750	500 x 550 x 800
	Unit Weight (kg)	59	66	86	76	87	98	118
	Packed Size (W x D x H mm)	330 x 430 x 650	380 x 480 x 700	480 x 530 x 800	430 x 530 x 750	480 x 580 x 800	530 x 580 x 950	580 x 630 x 1000
	Packed Weight (kg)	84	91	111	101	112	123	143

		R18	R30	R39	R42	R60	R65	R90
20 kVA 91A	Maximum Output Current (A)	91	91	91	91	91	91	91
	Model	CL-SVR-1-20-R18-220	CL-SVR-1-20-R30-220	CL-SVR-1-20-R39-220	CL-SVR-1-20-R42-220	CL-SVR-1-20-R60-220	CL-SVR-1-20-R65-220	CL-SVR-1-20-R90-220
	Unit Size (W x D x H mm)	300 x 400 x 500	350 x 450 x 550	450 x 500 x 750	400 x 500 x 600	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850
	Unit Weight (kg)	70	78	102	89	102	110	132
	Packed Size (W x D x H mm)	380 x 480 x 700	430 x 530 x 750	530 x 580 x 950	480 x 580 x 800	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050
	Packed Weight (kg)	95	103	127	114	127	135	157

		R18	R30	R39	R42	R60	R65	R90
30 kVA 136A	Maximum Output Current (A)	136	136	136	136	136	136	136
	Model	CL-SVR-1-30-R18-220	CL-SVR-1-30-R30-220	CL-SVR-1-30-R39-220	CL-SVR-1-30-R42-220	CL-SVR-1-30-R60-220	CL-SVR-1-30-R65-220	CL-SVR-1-30-R90-220
	Unit Size (W x D x H mm)	300 x 400 x 500	350 x 450 x 550	450 x 500 x 750	400 x 500 x 600	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850
	Unit Weight (kg)	92	102	132	117	135	152	182
	Packed Size (W x D x H mm)	380 x 480 x 700	430 x 530 x 750	530 x 580 x 950	480 x 580 x 800	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050
	Packed Weight (kg)	117	127	157	142	160	177	207

		R18	R30	R39	R42	R60	R65	R90
40 kVA 182A	Maximum Output Current (A)	182	182	182	182	182	182	182
	Model	CL-SVR-1-40-R18-220	CL-SVR-1-40-R30-220	CL-SVR-1-40-R39-220	CL-SVR-1-40-R42-220	CL-SVR-1-40-R60-220	CL-SVR-1-40-R65-220	CL-SVR-1-40-R90-220
	Unit Size (W x D x H mm)	350 x 450 x 600	400 x 500 x 600	500 x 550 x 800	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850	600 x 650 x 900
	Unit Weight (kg)	140	156	203	179	206	234	281
	Packed Size (W x D x H mm)	430 x 530 x 800	480 x 580 x 800	580 x 630 x 1000	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050	680 x 730 x 1100
	Packed Weight (kg)	165	181	228	204	231	259	306

		R18	R30	R39	R42	R60	R65	R90
50 kVA 227A	Maximum Output Current (A)	227	227	227	227	227	227	227
	Model	CL-SVR-1-50-R18-220	CL-SVR-1-50-R30-220	CL-SVR-1-50-R39-220	CL-SVR-1-50-R42-220	CL-SVR-1-50-R60-220	CL-SVR-1-50-R65-220	CL-SVR-1-50-R90-220
	Unit Size (W x D x H mm)	350 x 450 x 600	400 x 500 x 600	500 x 550 x 800	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850	600 x 650 x 900
	Unit Weight (kg)	168	187	243	215	248	280	337
	Packed Size (W x D x H mm)	430 x 530 x 800	480 x 580 x 800	580 x 630 x 1000	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050	680 x 730 x 1100
	Packed Weight (kg)	193	212	268	240	273	305	362

Single Phase 230V SVR Voltage Stabilisers

	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
kVA	Output Set Point (V)	230	230	230	230	230	230	230
	Output Set Point Range (V)	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	209 - 251	196 - 265	185 - 275	182 - 278	160 - 300	155 - 305	125 - 335
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	227 - 233	225 - 235	227 - 233	222 - 238	220 - 240	225 - 235	222 – 238

		R18	R30	R39	R42	R60	R65	R90
5 kVA 22A	Maximum Output Current (A)	22	22	22	22	22	22	22
	Model	CL-SVR-1-5-R18-230	CL-SVR-1-5-R30-230	CL-SVR-1-5-R39-230	CL-SVR-1-5-R42-230	CL-SVR-1-5-R60-230	CL-SVR-1-5-R65-230	CL-SVR-1-5-R90-230
	Unit Size (W x D x H mm)	250 x 350 x 450	300 x 400 x 500	400 x 450 x 600	350 x 450 x 550	400 x 500 x 600	450 x 500 x 750	500 x 550 x 800
	Unit Weight (kg)	49	54	70	62	72	81	97
	Packed Size (W x D x H mm)	330 x 430 x 650	380 x 480 x 700	480 x 530 x 800	430 x 530 x 750	480 x 580 x 800	530 x 580 x 950	580 x 630 x 1000
	Packed Weight (kg)	74	79	95	87	97	106	122

		R18	R30	R39	R42	R60	R65	R90
10 kVA 43A	Maximum Output Current (A)	43	43	43	43	43	43	43
	Model	CL-SVR-1-10-R18-230	CL-SVR-1-10-R30-230	CL-SVR-1-10-R39-230	CL-SVR-1-10-R42-230	CL-SVR-1-10-R60-230	CL-SVR-1-10-R65-230	CL-SVR-1-10-R90-230
	Unit Size (W x D x H mm)	250 x 350 x 450	300 x 400 x 500	400 x 450 x 600	350 x 450 x 550	400 x 500 x 600	450 x 500 x 750	500 x 550 x 800
	Unit Weight (kg)	59	66	86	76	87	98	118
	Packed Size (W x D x H mm)	330 x 430 x 650	380 x 480 x 700	480 x 530 x 800	430 x 530 x 750	480 x 580 x 800	530 x 580 x 950	580 x 630 x 1000
	Packed Weight (kg)	84	91	111	101	112	123	143

		R18	R30	R39	R42	R60	R65	R90
20 kVA 87A	Maximum Output Current (A)	87	87	87	87	87	87	87
	Model	CL-SVR-1-20-R18-230	CL-SVR-1-20-R30-230	CL-SVR-1-20-R39-230	CL-SVR-1-20-R42-230	CL-SVR-1-20-R60-230	CL-SVR-1-20-R65-230	CL-SVR-1-20-R90-230
	Unit Size (W x D x H mm)	300 x 400 x 500	350 x 450 x 550	450 x 500 x 750	400 x 500 x 600	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850
	Unit Weight (kg)	70	78	102	89	102	110	132
	Packed Size (W x D x H mm)	380 x 480 x 700	430 x 530 x 750	530 x 580 x 950	480 x 580 x 800	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050
	Packed Weight (kg)	95	103	127	114	127	135	157

		R18	R30	R39	R42	R60	R65	R90
30 kVA 130A	Maximum Output Current (A)	130	130	130	130	130	130	130
	Model	CL-SVR-1-30-R18-230	CL-SVR-1-30-R30-230	CL-SVR-1-30-R39-230	CL-SVR-1-30-R42-230	CL-SVR-1-30-R60-230	CL-SVR-1-30-R65-230	CL-SVR-1-30-R90-230
	Unit Size (W x D x H mm)	300 x 400 x 500	350 x 450 x 550	450 x 500 x 750	400 x 500 x 600	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850
	Unit Weight (kg)	92	102	132	117	135	152	182
	Packed Size (W x D x H mm)	380 x 480 x 700	430 x 530 x 750	530 x 580 x 950	480 x 580 x 800	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050
	Packed Weight (kg)	117	127	157	142	160	177	207

		R18	R30	R39	R42	R60	R65	R90
40 kVA 174A	Maximum Output Current (A)	174	174	174	174	174	174	174
	Model	CL-SVR-1-40-R18-230	CL-SVR-1-40-R30-230	CL-SVR-1-40-R39-230	CL-SVR-1-40-R42-230	CL-SVR-1-40-R60-230	CL-SVR-1-40-R65-230	CL-SVR-1-40-R90-230
	Unit Size (W x D x H mm)	350 x 450 x 600	400 x 500 x 600	500 x 550 x 800	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850	600 x 650 x 900
	Unit Weight (kg)	140	156	203	179	206	234	281
	Packed Size (W x D x H mm)	430 x 530 x 800	480 x 580 x 800	580 x 630 x 1000	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050	680 x 730 x 1100
	Packed Weight (kg)	165	181	228	204	231	259	306

		R18	R30	R39	R42	R60	R65	R90
50 kVA 217A	Maximum Output Current (A)	217	217	217	217	217	227	217
	Model	CL-SVR-1-50-R18-230	CL-SVR-1-50-R30-230	CL-SVR-1-50-R39-230	CL-SVR-1-50-R42-230	CL-SVR-1-50-R60-230	CL-SVR-1-50-R65-230	CL-SVR-1-50-R90-230
	Unit Size (W x D x H mm)	350 x 450 x 600	400 x 500 x 600	500 x 550 x 800	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850	600 x 650 x 900
	Unit Weight (kg)	168	187	243	215	248	280	337
	Packed Size (W x D x H mm)	430 x 530 x 800	480 x 580 x 800	580 x 630 x 1000	530 x 630 x 950	580 x 630 x 1000	630 x 680 x 1050	680 x 730 x 1100
	Packed Weight (kg)	193	212	268	240	273	305	362

Single Phase 240V SVR Voltage Stabilisers

	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
kVA	Output Set Point (V)	240	240	240	240	240	240	240
	Output Set Point Range (V)	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246	214 - 246
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	218 - 262	204 - 276	193 - 287	190 - 290	167 - 313	162 - 318	131 - 349
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	237 - 243	235 - 245	237 - 243	232 - 248	230 - 250	235 - 245	232 – 248

		R18	R30	R39	R42	R60	R65	R90
5 kVA 21A	Maximum Output Current (A)	21	21	21	21	21	21	21
	Model	CL-SVR-1-5-R18-240	CL-SVR-1-5-R30-240	CL-SVR-1-5-R39-240	CL-SVR-1-5-R42-240	CL-SVR-1-5-R60-240	CL-SVR-1-5-R65-240	CL-SVR-1-5-R90-240
	Unit Size (W x D x H mm)	250 x 350 x 450	300 x 400 x 500	400 x 450 x 600	350 x 450 x 550	400 x 500 x 600	450 x 500 x 750	500 x 550 x 800
	Unit Weight (kg)	49	54	70	62	72	81	97
	Packed Size (W x D x H mm)	330 x 430 x 650	380 x 480 x 700	480 x 530 x 800	430 x 530 x 750	480 x 580 x 800	530 x 580 x 950	580 x 630 x 1000
	Packed Weight (kg)	74	79	95	87	97	106	122

		R18	R30	R39	R42	R60	R65	R90
10 kVA 42A	Maximum Output Current (A)	42	42	42	42	42	42	42
	Model	CL-SVR-1-10-R18-240	CL-SVR-1-10-R30-240	CL-SVR-1-10-R39-240	CL-SVR-1-10-R42-240	CL-SVR-1-10-R60-240	CL-SVR-1-10-R65-240	CL-SVR-1-10-R90-240
	Unit Size (W x D x H mm)	250 x 350 x 450	300 x 400 x 500	400 x 450 x 600	350 x 450 x 550	400 x 500 x 600	450 x 500 x 750	500 x 550 x 800
	Unit Weight (kg)	59	66	86	76	87	98	118
	Packed Size (W x D x H mm)	330 x 430 x 650	380 x 480 x 700	480 x 530 x 800	430 x 530 x 750	480 x 580 x 800	530 x 580 x 950	580 x 630 x 1000
	Packed Weight (kg)	84	91	111	101	112	123	143

		R18	R30	R39	R42	R60	R65	R90
20 kVA 83A	Maximum Output Current (A)	83	83	83	83	83	83	83
	Model	CL-SVR-1-20-R18-240	CL-SVR-1-20-R30-240	CL-SVR-1-20-R39-240	CL-SVR-1-20-R42-240	CL-SVR-1-20-R60-240	CL-SVR-1-20-R65-240	CL-SVR-1-20-R90-240
	Unit Size (W x D x H mm)	300 x 400 x 500	350 x 450 x 550	450 x 500 x 750	400 x 500 x 600	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850
	Unit Weight (kg)	70	78	102	89	102	110	132
	Packed Size (W x D x H mm)	380 x 480 x 700	430 x 530 x 750	530 x 580 x 950	480 x 580 x 800	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050
	Packed Weight (kg)	95	103	127	114	127	135	157

		R18	R30	R39	R42	R60	R65	R90
30 kVA 125A	Maximum Output Current (A)	125	125	125	125	125	125	125
	Model	CL-SVR-1-30-R18-240	CL-SVR-1-30-R30-240	CL-SVR-1-30-R39-240	CL-SVR-1-30-R42-240	CL-SVR-1-30-R60-240	CL-SVR-1-30-R65-240	CL-SVR-1-30-R90-240
	Unit Size (W x D x H mm)	300 x 400 x 500	350 x 450 x 550	450 x 500 x 750	400 x 500 x 600	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850
	Unit Weight (kg)	92	102	132	117	135	152	182
	Packed Size (W x D x H mm)	380 x 480 x 700	430 x 530 x 750	530 x 580 x 950	480 x 580 x 800	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050
	Packed Weight (kg)	117	127	157	142	160	177	207

		R18	R30	R39	R42	R60	R65	R90
40 kVA 167A	Maximum Output Current (A)	167	167	167	167	167	167	167
	Model	CL-SVR-1-40-R18-240	CL-SVR-1-40-R30-240	CL-SVR-1-40-R39-240	CL-SVR-1-40-R42-240	CL-SVR-1-40-R60-240	CL-SVR-1-40-R65-240	CL-SVR-1-40-R90-240
	Unit Size (W x D x H mm)	350 x 450 x 600	400 x 500 x 600	500 x 550 x 800	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850	600 x 650 x 900
	Unit Weight (kg)	140	156	203	179	206	234	281
	Packed Size (W x D x H mm)	430 x 530 x 800	480 x 580 x 800	580 x 630 x 1000	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050	680 x 730 x 1100
	Packed Weight (kg)	165	181	228	204	231	259	306

		R18	R30	R39	R42	R60	R65	R90
50 kVA 208A	Maximum Output Current (A)	208	208	208	208	208	208	208
	Model	CL-SVR-1-50-R18-240	CL-SVR-1-50-R30-240	CL-SVR-1-50-R39-240	CL-SVR-1-50-R42-240	CL-SVR-1-50-R60-240	CL-SVR-1-50-R65-240	CL-SVR-1-50-R90-240
	Unit Size (W x D x H mm)	350 x 450 x 600	400 x 500 x 600	500 x 550 x 800	450 x 600 x 750	500 x 550 x 800	550 x 600 x 850	600 x 650 x 900
	Unit Weight (kg)	168	187	243	215	248	280	337
	Packed Size (W x D x H mm)	430 x 530 x 800	480 x 580 x 800	580 x 630 x 1000	530 x 680 x 950	580 x 630 x 1000	630 x 680 x 1050	680 x 730 x 1100
	Packed Weight (kg)	193	212	268	240	273	305	362

Three Phase

SVR Series
Electronic Voltage Stabilisers

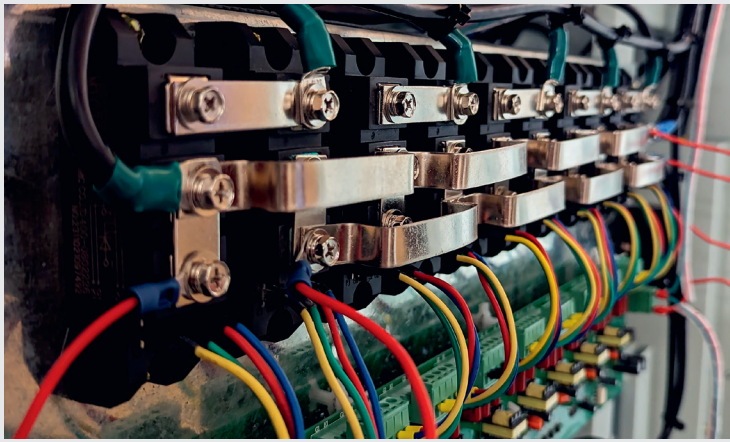
Solid-state Technology

Introducing the Claude Lyons® SVR series of electronic solid-state voltage stabilisers – an intelligent, contactless system with no mechanical components. Thanks to the microprocessor control and sensing technology along with fast and accurate true RMS Sensing and robust buck-boost transformer technology, you can achieve stable, efficient and maintenance-free voltage stabilisation without any additional waveform distortion.

Internal Bypass, User Interface and Overload Protection fitted as standard.

Features

- Fast, accurate voltage stabilisation
- Independent phase voltage monitoring and control
- LCD display with user-friendly interface
- Internal automatic bypass fitted as standard
- Undervoltage and overvoltage protection
- Overcurrent protection
- No added waveform distortion
- Wide range of standard models available
- Non-standard models available on request
- In-house design and manufacture to meet customer specification
- Standard or input swing options, non-standard models available to order
- Local and remote alarm and monitoring options
- Maintenance-free



Standard Range Typical Specifications

Input Voltage

Nominal (L-L) Voltages*	380,400,415,420 V
Ranges	±9 % to ± 45.5 %
Frequency	50Hz or 60Hz

Output Voltage

Nominal Voltages*	380,400,415,420 V
Accuracy*	±1.3 % to ± 4.3 %
Adjustment*	370 to 426V (L-L) , 214 to 246 V (L-N)

System

Response Time	Fast 20mS
Waveform Distortion	None Added
Efficiency	≥ 98 %
Safe Start	Delayed Output
Overload Capacity	5 times for 1 second

Protection

Undervoltage	Output V <10% Output - Off
Overvoltage	Output V >10% Output - Off
Under/Overvoltage Delay	Programmable Delay (5 – 30 seconds)
Under/Overvoltage Recovery Delay	Programmable Delay (0 – 60 minutes)
Phase Loss	Output Off
Overcurrent	Programmable Electronic Protection and MCCB
Overcurrent Delay	Programmable Delay (6 – 600 seconds)
Overcurrent Recovery Time	Programmable Delay (0 – 60 minutes)
Short Circuit	Double Protection Electronic and MCCB
Bypass	Internal No-Break Bypass
Alarm	Internal Sounder
Alarm Contacts	Volt Free Contacts

Display

Input Voltage	True RMS Input Voltage L-N or L-L Display
Output Voltage	True RMS Output Voltage L-N or L-L Display
Output Current	True RMS Output Current Display
Overvoltage	Warning - Programmable
Undervoltage Warning	Warning - Programmable
Overload	Warning - Programmable
System Fault	Warning
Status	Current System Status Stabilised / Bypass

Environmental

Operational Temperature	-5°C to +45°C*
Maximum Mean Temperature	+35°C over 24 hours*
Humidity	95% Non-Condensing
Cooling	Natural Air Cooled / Fan Assist*
Altitude	Above 1000m derate by 2.5% / 500m

Enclosure*

IP Rating	IP20*
Mounting	Floorstanding*
Material	Sheet Mild Steel Construction*
Finish	Standard Commercial Powder Coat*

Packing

Commercial	Standard
Export Crate	Optional

***Other values, ranges and options available upon request.**

Three Phase 380V (220V) SVR Voltage Stabilisers

	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
kVA	Output Set Point (V)	380 (220)	380 (220)	380 (220)	380 (220)	380 (220)	380 (220)	380 (220)
	Output Set Point Range (V)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	346 - 414 (200-240)	323 - 437 (187-253)	306 - 454 (177-263)	300 - 460 (174-266)	264 - 496 (153-287)	257 - 504 (149-292)	207 - 553 (120-320)
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	375 - 385 (217-223)	372 - 388 (215-225)	375 - 385 (217-223)	367 – 393 (212-228)	375 - 385 (211-229)	372 - 388 (215-225)	367 – 393 (212-228)

		R18	R30	R39	R42	R60	R65	R90
30 kVA 46A	Maximum Output Current (A)	46	46	46	46	46	46	46
	Model	CL-SVR-3-30-R18-380	CL-SVR-3-30-R30-380	CL-SVR-3-30-R39-380	CL-SVR-3-30-R42-380	CL-SVR-3-30-R60-380	CL-SVR-3-30-R65-380	CL-SVR-3-30-R90-380
	Unit Size (W x D x H mm)	300 x 550 x 800	350 x 600 x 800	350 x 600 x 800	400 x 650 x 800	500 x 650 x 870	390 x 650 x 800	390 x 650 x 800
	Unit Weight (kg)	96	115	186	138	161	214	235
	Packed Size (W x D x H mm)	380 x 630 x 1000	430 x 680 x 1000	430 x 680 x 1000	480 x 730 x 1000	580 x 730 x 1070	470 x 730 x 1000	470 x 730 x 1000
	Packed Weight (kg)	121	140	211	163	186	239	260

		R18	R30	R39	R42	R60	R65	R90
50 kVA 76A	Maximum Output Current (A)	76	76	76	76	76	76	76
	Model	CL-SVR-3-50-R18-380	CL-SVR-3-50-R30-380	CL-SVR-3-50-R39-380	CL-SVR-3-50-R42-380	CL-SVR-3-50-R60-380	CL-SVR-3-50-R65-380	CL-SVR-3-50-R90-380
	Unit Size (W x D x H mm)	300 x 600 x 870	390 x 650 x 870	390 x 650 x 870	500 x 650 x 870	550 x 700 x 870	500 x 800 x 870	500 x 800 x 870
	Unit Weight (kg)	116	139	225	167	195	259	284
	Packed Size (W x D x H mm)	380 x 680 x 1070	470 x 730 x 1070	470 x 730 x 1070	580 x 730 x 1070	630 x 780 x 1070	580 x 880 x 1070	580 x 880 x 1070
	Packed Weight (kg)	141	164	250	192	220	284	309

		R18	R30	R39	R42	R60	R65	R90
100 kVA 152A	Maximum Output Current (A)	152	152	152	152	152	152	152
	Model	CL-SVR-3-100-R18-380	CL-SVR-3-100-R30-380	CL-SVR-3-100-R39-380	CL-SVR-3-100-R42-380	CL-SVR-3-100-R60-380	CL-SVR-3-100-R65-380	CL-SVR-3-100-R90-380
	Unit Size (W x D x H mm)	350 x 650 x 1200	500 x 800 x 1200	500 x 800 x 1200	500 x 750 x 1200	600 x 800 x 1100	550 x 850 x 1200	550 x 850 x 1200
	Unit Weight (kg)	210	252	408	302	350	468	516
	Packed Size (W x D x H mm)	430 x 730 x 1400	580 x 880 x 1400	580 x 880 x 1400	630 x 830 x 1400	680 x 880 x 1300	630 x 930 x 1400	630 x 930 x 1400
	Packed Weight (kg)	235	277	433	327	375	493	541

		R18	R30	R39	R42	R60	R65	R90
150 kVA 228A	Maximum Output Current (A)	228	228	228	228	228	228	228
	Model	CL-SVR-3-150-R18-380	CL-SVR-3-150-R30-380	CL-SVR-3-150-R39-380	CL-SVR-3-150-R42-380	CL-SVR-3-150-R60-380	CL-SVR-3-150-R65-380	CL-SVR-3-150-R90-380
	Unit Size (W x D x H mm)	350 x 700 x 1300	550 x 850 x 1300	550 x 850 x 1300	550 x 850 x 1300	700 x 900 x 2000	1000 x 850 x 1300	1000 x 900 x 1300
	Unit Weight (kg)	294	353	572	424	494	657	723
	Packed Size (W x D x H mm)	430 x 780 x 1500	630 x 930 x 1500	630 x 930 x 1500	630 x 930 x 1500	780 x 980 x 2200	1080 x 930 x 1500	1080 x 980 x 1500
	Packed Weight (kg)	319	378	597	449	519	682	748

		R18	R30	R39	R42	R60	R65	R90
225 kVA 342A	Maximum Output Current (A)	342	342	342	342	342	342	342
	Model	CL-SVR-3-225-R18-380	CL-SVR-3-225-R30-380	CL-SVR-3-225-R39-380	CL-SVR-3-225-R42-380	CL-SVR-3-225-R60-380	CL-SVR-3-225-R65-380	CL-SVR-3-225-R90-380
	Unit Size (W x D x H mm)	900 x 700 x 1800	1100 x 850 x 2000	1100 x 850 x 2000	1100 x 900 x2000	1100 x 900 x 2100	1000 x 900 x 2200	1000 x 950 x 2000
	Unit Weight (kg)	392	420	762	564	658	874	962
	Packed Size (W x D x H mm)	980 x 780 x 2000	1180 x 930 x 2200	1180 x 930 x 2200	1180 x 980 x 2200	1180 x 980 x 2300	1080 x 980 x 2200	1080 x 1030 x 2200
	Packed Weight (kg)	417	445	787	589	683	899	987

		R18	R30	R39	R42	R60	R65	R90
300 kVA 456A	Maximum Output Current (A)	456	456	456	456	456	456	456
	Model	CL-SVR-3-300-R18-380	CL-SVR-3-300-R30-380	CL-SVR-3-300-R39-380	CL-SVR-3-300-R42-380	CL-SVR-3-300-R60-380	CL-SVR-3-300-R65-380	CL-SVR-3-300-R90-380
	Unit Size (W x D x H mm)	1000 x 750 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	604	735	1190	882	846	1367	1504
	Packed Size (W x D x H mm)	1080 x 830 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	629	760	1215	907	871	1392	1529

		R18	R30	R39	R42	R60	R65	R90
400 kVA 608A	Maximum Output Current (A)	608	608	608	608	608	608	608
	Model	CL-SVR-3-400-R18-380	CL-SVR-3-400-R30-380	CL-SVR-3-400-R39-380	CL-SVR-3-400-R42-380	CL-SVR-3-400-R60-380	CL-SVR-3-400-R65-380	CL-SVR-3-400-R90-380
	Unit Size (W x D x H mm)	1000 x 800 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	710	850	1377	1020	994	1582	1740
	Packed Size (W x D x H mm)	1080 x 880 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	735	875	1402	1045	1019	1607	1765

If you require a higher kVA, please contact us.

Three Phase 400V (230V) SVR Voltage Stabilisers

kVA	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
	Output Set Point (V)	400 (230)	400 (230)	400 (230)	400 (230)	400 (230)	400 (230)	400 (230)
	Output Set Point Range (V)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	364 - 436 (209-251)	340 - 460 (196-265)	322 - 478 (185-275)	316 - 484 (182-278)	278 - 522 (160-300)	270 - 530 (155-305)	218 - 582 (125-335)
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	395 - 405 (227-233)	391 - 409 (225-235)	395 - 405 (227-233)	386 - 414 (222-238)	383 - 417 (220-240)	391 - 409 (225-235)	386 - 414 (222-238)

30 kVA 43A		R18	R30	R39	R42	R60	R65	R90
	Maximum Output Current (A)	43	43	43	43	43	43	43
	Model	CL-SVR-3-30-R18-400	CL-SVR-3-30-R30-400	CL-SVR-3-30-R39-400	CL-SVR-3-30-R42-400	CL-SVR-3-30-R60-400	CL-SVR-3-30-R65-400	CL-SVR-3-30-R90-400
	Unit Size (W x D x H mm)	300 x 550 x 800	350 x 600 x 800	350 x 600 x 800	400 x 650 x 800	500 x 650 x 870	390 x 650 x 800	390 x 650 x 800
	Unit Weight (kg)	96	115	186	138	161	214	235
	Packed Size (W x D x H mm)	380 x 630 x 1000	430 x 680 x 1000	430 x 680 x 1000	480 x 730 x 1000	580 x 730 x 1070	470 x 730 x 1000	470 x 730 x 1000
	Packed Weight (kg)	121	140	211	163	186	239	260

50 kVA 72A		R18	R30	R39	R42	R60	R65	R90
	Maximum Output Current (A)	72	72	72	72	72	72	72
	Model	CL-SVR-3-50-R18-400	CL-SVR-3-50-R30-400	CL-SVR-3-50-R39-400	CL-SVR-3-50-R42-400	CL-SVR-3-50-R60-400	CL-SVR-3-50-R65-400	CL-SVR-3-50-R90-400
	Unit Size (W x D x H mm)	300 x 600 x 870	390 x 650 x 870	390 x 650 x 870	500 x 650 x 870	550 x 700 x 870	500 x 800 x 870	500 x 800 x 870
	Unit Weight (kg)	116	139	225	167	195	259	284
	Packed Size (W x D x H mm)	380 x 680 x 1070	470 x 730 x 1070	470 x 730 x 1070	580 x 730 x 1070	630 x 780 x 1070	580 x 880 x 1070	580 x 880 x 1070
	Packed Weight (kg)	141	164	250	192	220	284	309

100 kVA 144A		R18	R30	R39	R42	R60	R65	R90
	Maximum Output Current (A)	144	144	144	144	144	144	144
	Model	CL-SVR-3-100-R18-400	CL-SVR-3-100-R30-400	CL-SVR-3-100-R39-400	CL-SVR-3-100-R42-400	CL-SVR-3-100-R60-400	CL-SVR-3-100-R65-400	CL-SVR-3-100-R90-400
	Unit Size (W x D x H mm)	350 x 650 x 1200	500 x 800 x 1200	500 x 800 x 1200	550 x 750 x 1200	600 x 800 x 1100	550 x 850 x 1200	550 x 850 x 1200
	Unit Weight (kg)	210	252	408	302	350	468	516
	Packed Size (W x D x H mm)	430 x 730 x 1400	580 x 880 x 1400	580 x 880 x 1400	630 x 830 x 1400	680 x 880 x 1300	630 x 930 x 1400	630 x 930 x 1400
	Packed Weight (kg)	235	277	433	327	375	493	541

		R18	R30	R39	R42	R60	R65	R90
150 kVA 217A	Maximum Output Current (A)	217	217	217	217	217	217	217
	Model	CL-SVR-3-150-R18-400	CL-SVR-3-150-R30-400	CL-SVR-3-150-R39-400	CL-SVR-3-150-R42-400	CL-SVR-3-150-R60-400	CL-SVR-3-150-R65-400	CL-SVR-3-150-R90-400
	Unit Size (W x D x H mm)	350 x 700 x 1300	550 x 850 x 1300	550 x 850 x 1300	550 x 850 x 1300	700 x 900 x 2000	1000 x 850 x 1300	1000 x 900 x 1300
	Unit Weight (kg)	294	353	572	424	494	657	723
	Packed Size (W x D x H mm)	430 x 780 x 1500	630 x 930 x 1500	630 x 930 x 1500	630 x 930 x 1500	780 x 980 x 2200	1080 x 930 x 1500	1080 x 980 x 1500
	Packed Weight (kg)	319	378	597	449	519	682	748

		R18	R30	R39	R42	R60	R65	R90
225 kVA 325A	Maximum Output Current (A)	325	325	325	325	325	325	325
	Model	CL-SVR-3-225-R18-400	CL-SVR-3-225-R30-400	CL-SVR-3-225-R39-400	CL-SVR-3-225-R42-400	CL-SVR-3-225-R60-400	CL-SVR-3-225-R65-400	CL-SVR-3-225-R90-400
	Unit Size (W x D x H mm)	900 x 700 x 1800	1100 x 850 x 2000	1100 x 850 x 2000	1100 x 900 x2000	1100 x 900 x 2100	1000 x 900 x 2200	1000 x 950 x 2000
	Unit Weight (kg)	392	420	762	564	658	874	962
	Packed Size (W x D x H mm)	980 x 780 x 2000	1180 x 930 x 2200	1180 x 930 x 2200	1180 x 980 x 2200	1180 x 980 x 2300	1080 x 980 x 2200	1080 x 1030 x 2200
	Packed Weight (kg)	417	445	787	589	683	899	987

		R18	R30	R39	R42	R60	R65	R90
300 kVA 433A	Maximum Output Current (A)	433	433	433	433	433	433	433
	Model	CL-SVR-3-300-R18-400	CL-SVR-3-300-R30-400	CL-SVR-3-300-R39-400	CL-SVR-3-300-R42-400	CL-SVR-3-300-R60-400	CL-SVR-3-300-R65-400	CL-SVR-3-300-R90-400
	Unit Size (W x D x H mm)	1000 x 750 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	604	735	1190	882	846	1367	1504
	Packed Size (W x D x H mm)	1080 x 830 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	629	760	1215	907	871	1392	1529

		R18	R30	R39	R42	R60	R65	R90
400 kVA 577A	Maximum Output Current (A)	577	577	577	577	577	577	577
	Model	CL-SVR-3-400-R18-400	CL-SVR-3-400-R30-400	CL-SVR-3-400-R39-400	CL-SVR-3-400-R42-400	CL-SVR-3-400-R60-400	CL-SVR-3-400-R65-400	CL-SVR-3-400-R90-400
	Unit Size (W x D x H mm)	1000 x 800 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	710	850	1377	1020	994	1582	1740
	Packed Size (W x D x H mm)	1080 x 880 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	735	875	1402	1045	1019	1607	1765

If you require a higher kVA, please contact us.

Three Phase 415V (240V) SVR Voltage Stabilisers

	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
kVA	Output Set Point (V)	415 (240)	415 (240)	415 (240)	415 (240)	415 (240)	415 (240)	415 (240)
	Output Set Point Range (V)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)	370 - 426 (214-246)
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	378 - 452 (218-262)	353 - 477 (204-276)	334 - 496 (193-287)	328 - 502 (190-290)	289 - 541 (167-313)	280 - 550 (162-318)	226 - 604 (131-349)
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	410 - 420 (237-243)	406 - 424 (235-245)	410 - 420 (237-243)	400 - 430 (232-248)	397 - 433 (230-250)	406 - 424 (235-245)	400 - 430 (232-248)

		R18	R30	R39	R42	R60	R65	R90
30 kVA 42A	Maximum Output Current (A)	42	42	42	42	42	42	42
	Model	CL-SVR-3-30-R18-415	CL-SVR-3-30-R30-415	CL-SVR-3-30-R39-415	CL-SVR-3-30-R42-415	CL-SVR-3-30-R60-415	CL-SVR-3-30-R65-415	CL-SVR-3-30-R90-415
	Unit Size (W x D x H mm)	300 x 550 x 800	350 x 600 x 800	350 x 600 x 800	400 x 650 x 800	500 x 650 x 870	390 x 650 x 800	390 x 650 x 800
	Unit Weight (kg)	96	115	186	138	161	214	235
	Packed Size (W x D x H mm)	380 x 630 x 1000	430 x 680 x 1000	430 x 680 x 1000	480 x 730 x 1000	580 x 730 x 1070	470 x 730 x 1000	470 x 730 x 1000
	Packed Weight (kg)	121	140	211	163	186	239	260

		R18	R30	R39	R42	R60	R65	R90
50 kVA 70A	Maximum Output Current (A)	70	70	70	70	70	70	70
	Model	CL-SVR-3-50-R18-415	CL-SVR-3-50-R30-415	CL-SVR-3-50-R39-415	CL-SVR-3-50-R42-415	CL-SVR-3-50-R60-415	CL-SVR-3-50-R65-415	CL-SVR-3-50-R90-415
	Unit Size (W x D x H mm)	300 x 600 x 870	390 x 650 x 870	390 x 650 x 870	500 x 650 x 870	550 x 700 x 870	500 x 800 x 870	500 x 800 x 870
	Unit Weight (kg)	116	139	225	167	195	259	284
	Packed Size (W x D x H mm)	380 x 680 x 1070	470 x 730 x 1070	470 x 730 x 1070	580 x 730 x 1070	630 x 780 x 1070	580 x 880 x 1070	580 x 880 x 1070
	Packed Weight (kg)	141	164	250	192	220	284	309

		R18	R30	R39	R42	R60	R65	R90
100 kVA 139A	Maximum Output Current (A)	139	139	139	139	139	139	139
	Model	CL-SVR-3-100-R18-415	CL-SVR-3-100-R30-415	CL-SVR-3-100-R39-415	CL-SVR-3-100-R42-415	CL-SVR-3-100-R60-415	CL-SVR-3-100-R65-415	CL-SVR-3-100-R90-415
	Unit Size (W x D x H mm)	350 x 650 x 1200	500 x 800 x 1200	500 x 800 x 1200	550 x 750 x 1200	600 x 800 x 1100	550 x 850 x 1200	550 x 850 x 1200
	Unit Weight (kg)	210	252	408	302	350	468	516
	Packed Size (W x D x H mm)	430 x 730 x 1400	580 x 880 x 1400	580 x 880 x 1400	630 x 830 x 1400	680 x 880 x 1300	630 x 930 x 1400	630 x 930 x 1400
	Packed Weight (kg)	235	277	433	327	375	493	541

		R18	R30	R39	R42	R60	R65	R90
150 kVA 209A	Maximum Output Current (A)	209	209	209	209	209	209	209
	Model	CL-SVR-3-150-R18-415	CL-SVR-3-150-R30-415	CL-SVR-3-150-R39-415	CL-SVR-3-150-R42-415	CL-SVR-3-150-R60-415	CL-SVR-3-150-R65-415	CL-SVR-3-150-R90-415
	Unit Size (W x D x H mm)	350 x 700 x 1300	550 x 850 x 1300	550 x 850 x 1300	550 x 850 x 1300	700 x 900 x 2000	1000 x 850 x 1300	1000 x 900 x 1300
	Unit Weight (kg)	294	353	572	424	494	657	723
	Packed Size (W x D x H mm)	430 x 780 x 1500	630 x 930 x 1500	630 x 930 x 1500	630 x 930 x 1500	780 x 980 x 2200	1080 x 930 x 1500	1080 x 980 x 1500
	Packed Weight (kg)	319	378	597	449	519	682	748

		R18	R30	R39	R42	R60	R65	R90
225 kVA 313A	Maximum Output Current (A)	313	313	313	313	313	313	313
	Model	CL-SVR-3-225-R18-415	CL-SVR-3-225-R30-415	CL-SVR-3-225-R39-415	CL-SVR-3-225-R42-415	CL-SVR-3-225-R60-415	CL-SVR-3-225-R65-415	CL-SVR-3-225-R90-415
	Unit Size (W x D x H mm)	900 x 700 x 1800	1100 x 850 x 2000	1100 x 850 x 2000	1100 x 900 x 2000	1100 x 900 x 2100	1000 x 900 x 2200	1000 x 950 x 2000
	Unit Weight (kg)	392	420	762	564	658	874	962
	Packed Size (W x D x H mm)	980 x 780 x 2000	1180 x 930 x 2200	1180 x 930 x 2200	1180 x 980 x 2200	1180 x 980 x 2300	1080 x 980 x 2200	1080 x 1030 x 2200
	Packed Weight (kg)	417	445	787	589	683	899	987

		R18	R30	R39	R42	R60	R65	R90
300 kVA 417A	Maximum Output Current (A)	417	417	417	417	417	417	417
	Model	CL-SVR-3-300-R18-415	CL-SVR-3-300-R30-415	CL-SVR-3-300-R39-415	CL-SVR-3-300-R42-415	CL-SVR-3-300-R60-415	CL-SVR-3-300-R65-415	CL-SVR-3-300-R90-415
	Unit Size (W x D x H mm)	1000 x 750 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	604	735	1190	882	846	1367	1504
	Packed Size (W x D x H mm)	1080 x 830 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	629	760	1215	907	871	1392	1529

		R18	R30	R39	R42	R60	R65	R90
400 kVA 556A	Maximum Output Current (A)	556	556	556	556	556	556	556
	Model	CL-SVR-3-400-R18-415	CL-SVR-3-400-R30-415	CL-SVR-3-400-R39-415	CL-SVR-3-400-R42-415	CCL-SVR-3-400-R60-415	CL-SVR-3-400-R65-415	CL-SVR-3-400-R90-415
	Unit Size (W x D x H mm)	1000 x 800 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	710	850	1377	1020	994	1582	1740
	Packed Size (W x D x H mm)	1080 x 880 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	735	875	1402	1045	1019	1607	1765

If you require a higher kVA, please contact us.

Three Phase 420V (243V) SVR Voltage Stabilisers

	INPUT SWING RANGE	R18	R30	R39	R42	R60	R65	R90
kVA	Output Set Point (V)	420 (243)	420 (243)	420 (243)	420 (243)	420 (243)	420 (243)	420 (243)
	Output Set Point Range (V)	370 – 426 (214 – 246)	370 – 426 (214 – 246)	370 – 426 (214 – 246)	370 – 426 (214 – 246)	370 – 426 (214 – 246)	370 – 426 (214 – 246)	370 – 426 (214 – 246)
	Input Correction Range (±%)	9.0	15.0	19.5	21.0	30.4	32.5	45.5
	Input Correction Range (V)	382 - 458 (221-265)	357 - 483 (207-279)	338 - 502 (196-290)	332 - 508 (192-294)	292 - 548 (169-317)	284 - 557 (164-322)	229 - 611 (132-354)
	Output Tolerance Range (±%)	1.3	2.2	1.3	3.5	4.3	2.2	3.5
	Output Tolerance Range (V)	415 - 425 (240-246)	411 - 429 (238-248)	415 - 425 (240-246)	405 - 435 (234-252)	402 - 438 (233-253)	411 - 429 (238-248)	405 - 435 (234-252)

		R18	R30	R39	R42	R60	R65	R90
30 kVA 41A	Maximum Output Current (A)	41	41	41	41	41	41	41
	Model	CL-SVR-3-30-R18-420	CL-SVR-3-30-R30-420	CL-SVR-3-30-R39-420	CL-SVR-3-30-R42-420	CL-SVR-3-30-R60-420	CL-SVR-3-30-R65-420	CL-SVR-3-30-R90-420
	Unit Size (W x D x H mm)	300 x 550 x 800	350 x 600 x 800	350 x 600 x 800	400 x 650 x 800	500 x 650 x 870	390 x 650 x 800	390 x 650 x 800
	Unit Weight (kg)	96	115	186	138	161	214	235
	Packed Size (W x D x H mm)	380 x 630 x 1000	430 x 680 x 1000	430 x 680 x 1000	480 x 730 x 1000	580 x 730 x 1070	470 x 730 x 1000	470 x 730 x 1000
	Packed Weight (kg)	121	140	211	163	186	239	260

		R18	R30	R39	R42	R60	R65	R90
50 kVA 69A	Maximum Output Current (A)	69	69	69	69	69	69	69
	Model	CL-SVR-3-50-R18-420	CL-SVR-3-50-R30-420	CL-SVR-3-50-R39-420	CL-SVR-3-50-R42-420	CL-SVR-3-50-R60-420	CL-SVR-3-50-R65-420	CL-SVR-3-50-R90-420
	Unit Size (W x D x H mm)	300 x 600 x 870	390 x 650 x 870	390 x 650 x 870	500 x 650 x 870	550 x 700 x 870	500 x 800 x 870	500 x 800 x 870
	Unit Weight (kg)	116	139	225	167	195	259	284
	Packed Size (W x D x H mm)	380 x 680 x 1070	470 x 730 x 1070	470 x 730 x 1070	580 x 730 x 1070	630 x 780 x 1070	580 x 880 x 1070	580 x 880 x 1070
	Packed Weight (kg)	141	164	250	192	220	284	309

		R18	R30	R39	R42	R60	R65	R90
100 kVA 137A	Maximum Output Current (A)	137	137	137	137	137	137	137
	Model	CL-SVR-3-100-R18-420	CL-SVR-3-100-R30-420	CL-SVR-3-100-R39-420	CL-SVR-3-100-R42-420	CL-SVR-3-100-R60-420	CL-SVR-3-100-R65-420	CL-SVR-3-100-R90-420
	Unit Size (W x D x H mm)	350 x 650 x 1200	500 x 800 x 1200	500 x 800 x 1200	550 x 750 x 1200	600 x 800 x 1100	550 x 850 x 1200	550 x 850 x 1200
	Unit Weight (kg)	210	252	408	302	350	468	516
	Packed Size (W x D x H mm)	430 x 730 x 1400	580 x 880 x 1400	580 x 880 x 1400	630 x 830 x 1400	680 x 880 x 1300	630 x 930 x 1400	630 x 930 x 1400
	Packed Weight (kg)	235	277	433	327	375	493	541

		R18	R30	R39	R42	R60	R65	R90
150 kVA 206A	Maximum Output Current (A)	206	206	206	206	206	206	206
	Model	CL-SVR-3-150-R18-420	CL-SVR-3-150-R30-420	CL-SVR-3-150-R39-420	CL-SVR-3-150-R42-420	CL-SVR-3-150-R60-420	CL-SVR-3-150-R65-420	CL-SVR-3-150-R90-420
	Unit Size (W x D x H mm)	350 x 700 x 1300	550 x 850 x 1300	550 x 850 x 1300	550 x 850 x 1300	700 x 900 x 2000	1000 x 850 x 1300	1000 x 900 x 1300
	Unit Weight (kg)	294	353	572	424	494	657	723
	Packed Size (W x D x H mm)	430 x 780 x 1500	630 x 930 x 1500	630 x 930 x 1500	630 x 930 x 1500	780 x 980 x 2200	1080 x 930 x 1500	1080 x 980 x 1500
	Packed Weight (kg)	319	378	597	449	519	682	748

		R18	R30	R39	R42	R60	R65	R90
225 kVA 309A	Maximum Output Current (A)	309	309	309	309	309	309	309
	Model	CL-SVR-3-225-R18-420	CL-SVR-3-225-R30-420	CL-SVR-3-225-R39-420	CL-SVR-3-225-R42-420	CL-SVR-3-225-R60-420	CL-SVR-3-225-R65-420	CL-SVR-3-225-R90-420
	Unit Size (W x D x H mm)	900 x 700 x 1800	1100 x 850 x 2000	1100 x 850 x 2000	1100 x 900 x2000	1100 x 900 x 2100	1000 x 900 x 2200	1000 x 950 x 2000
	Unit Weight (kg)	392	420	762	564	658	874	962
	Packed Size (W x D x H mm)	980 x 780 x 2000	1180 x 930 x 2200	1180 x 930 x 2200	1180 x 980 x 2200	1180 x 980 x 2300	1080 x 980 x 2200	1080 x 1030 x 2200
	Packed Weight (kg)	417	445	787	589	683	899	987

		R18	R30	R39	R42	R60	R65	R90
300 kVA 412A	Maximum Output Current (A)	412	412	412	412	412	412	412
	Model	CL-SVR-3-300-R18-420	CL-SVR-3-300-R30-420	CL-SVR-3-300-R39-420	CL-SVR-3-300-R42-420	CL-SVR-3-300-R60-420	CL-SVR-3-300-R65-420	CL-SVR-3-300-R90-420
	Unit Size (W x D x H mm)	1000 x 750 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	604	735	1190	882	846	1367	1504
	Packed Size (W x D x H mm)	1080 x 830 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	629	760	1215	907	871	1392	1529

		R18	R30	R39	R42	R60	R65	R90
400 kVA 550A	Maximum Output Current (A)	550	550	550	550	550	550	550
	Model	CL-SVR-3-400-R18-420	CL-SVR-3-400-R30-420	CL-SVR-3-400-R39-420	CL-SVR-3-400-R42-420	CL-SVR-3-400-R60-420	CL-SVR-3-400-R65-420	CL-SVR-3-400-R90-420
	Unit Size (W x D x H mm)	1000 x 800 x 2000	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 900 x 2100	1100 x 950 x 2100	1100 x 950 x 2100
	Unit Weight (kg)	710	850	1377	1020	994	1582	1740
	Packed Size (W x D x H mm)	1080 x 880 x 2200	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 980 x 2300	1180 x 1030 x 2300	1180 x 1030 x 2300
	Packed Weight (kg)	735	875	1402	1045	1019	1607	1765

If you require a higher kVA, please contact us.