

## FEATURES

✓ **Automatic Voltage Regulation**

Step-less automatic voltage regulation - ideal for 95% of all applications

✓ **Brownout & Over/Under Voltage Protection**

Protection against over and under voltage sags and surges in the mains supply which can last up to several days

✓ **Transient Voltage Surge & Spike Protection**

Inbuilt protection against all too common damaging voltage spikes and transients

✓ **Traditional Servo Electronic Design**

Cost-efficient compact design delivering negligible waveform distortion and extremely low harmonic distortion (<1%)

✓ **Precise Output Voltage Regulation**

Output Voltage Accuracy of  $\pm 1\%$

✓ **Inbuilt Bypass**

Ability to bypass the electronic control circuitry in the unlikely event of a system malfunction

✓ **High Overload Capability**

Ability to support loads with inherent initial high currents on start up

✓ **Extremely Low Maintenance**

Minimal annual, or bi-annual, requirement, deliverable by local competent electricians

✓ **International Standards Compliance**

Designed, manufactured and supplied to comply with leading international standards

## MINI SVS SERIES



## AC AUTOMATIC VOLTAGE REGULATORS (AVR) / STABILISERS

Our traditional smaller Single Phase Servo Electronic Stabilisers (SES) now with improved metering and status indication.



# 1 kVA to 10 kVA

## SINGLE PHASE - 2 WIRE

## 50 / 60Hz

H Models

220V / 230V / 240V

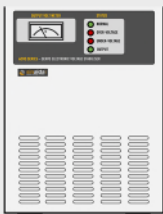
L Models

110V / 115V / 120V / 127V

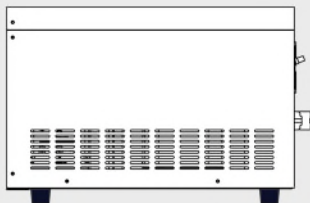


GENERAL TECHNICAL SPECIFICATION		H MODELS	L MODELS
RATINGS		1, 2, 3, 5, & 10kVA	1, 2 & 3 kVA
NOMINAL INPUT VOLTAGES		Default 230V (adjustable 220V - 240V) AC Single Phase, 2 Wire (L,N & G/E)	Default 120V (adjustable 110V - 115V - 127V) AC Single Phase, 2 Wire (L,N & G/E)
INPUT VOLTAGE RANGE	S15 Swing	230V ±15% (196 to 264V) - Models up to 10 kVA	120V ±15% (102 to 138V) - Models up to 3 kVA
	S20 Swing	230V ±20% (184 to 276V) - Models up to 5 kVA	N/A
	S25 Swing	230V ±25% (184 to 276V) - Models up to 5 kVA	N/A
OUTPUT VOLTAGE		230V (Default) ±1% (Adjustable 1% to 5%) AC Single Phase, 2 Wire (L,N & G/E)	120V (Default) ±1% (Adjustable 1% to 5%) AC Single Phase, 2 Wire (L,N & G/E)
OPERATING FREQUENCY		50 / 60 Hz (35 to 63 Hz)	
SURGE SUPPRESSION		TVSS - Protects loads against high-energy Spikes and Transient Voltages	
OVERLOAD RATINGS		150% for 10 seconds	
RESPONSE TIME		Typically a 10% supply variation will be corrected within 2.5% in 0.6 seconds	
EFFICIENCY		≥98%	
BYPASS		Manual Bypass of the electronic control circuitry in the unlikely event of a system malfunction	
OVER / UNDER VOLTAGE		Display Indication	
FRONT DISPLAY PANEL	METERING	Output Volts (Analogue)	
	INDICATION	AVR Normal (Green), Output Over Volts (Red), Output Under Volts (Red) & Output Normal (Green)	
SHORT-CIRCUIT PROTECTION		Automatic Tripping of the Input Circuit Breaker	
LOSS OF SUPPLY		Auto Restart on return of the utility supply	
OPERATING TEMPERATURE		0 to 45°C. Derate by 2% for each additional °c up to max. of 60°C	
MAXIMUM ALLTITUDE		1000 meters. Derate by 2.5% for each additional 500 metres	
RELATIVE HUMIDITY		Suitable for indoor tropical use up to 90% RH (non-condensing)	
EMC CONFORMANCE		Complies with BS/EN 55022 & the relevant parts of BS/EN 61000 standards	
CE CERTIFICATION		CE Marked – being fully compliant with European Union Directives 2014/30/EU (The EMC Directive) and 2014/35/EU (The Low Voltage Directive)	
CONSTRUCTION		Freestanding Enclosures to IP20 (NEMA 1 Style) - BS/EN 60529 Outdoor IP54 (NEMA 3 Style) available as an option (-IP54) as well as 19" Rack Mountable Solutions (-RM)	
COLOUR		RAL 9002 (Grey White)	
CONNECTIONS	INPUT	Rear Hardwire Terminals	
	OUTPUT	Rear Hardwire Terminals + Universal Output Socket (x1)	
PHYSICAL SIZES & WEIGHTS		See Relevant Model Selection Tables	
STANDARD WARRANTY		36 Months / 3 Years	

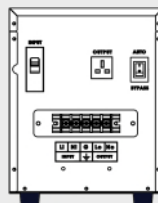
APPEARANCE



FRONT VIEW



RH SIDE VIEW

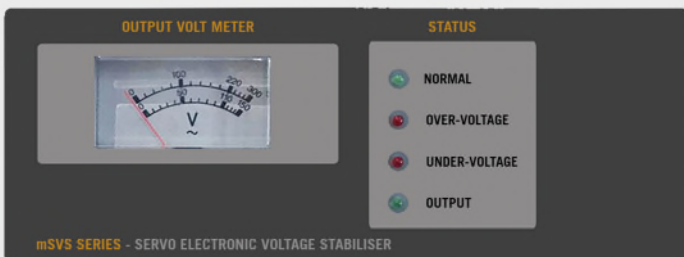


REAR VIEW



REAR VIEW

FRONT DISPLAY PANEL



**mSVS-H-S15 MODELS - SELECTION TABLE**  
220 to 240V SYSTEMS



MODEL NUMBER		mSVS-1H-S15	mSVS-2H-S15	mSVS-3H-S15	mSVS-5H-S15	mSVS-10H-S15
MAX. RATING	kVA	1	2	3	5	10
	AMPS	4.3	8.6	13.0	21.7	43.5
INPUT VOLTAGE WINDOW		230V (Default - 220 or 240V selectable) $\pm 15\%$ (196 to 264V) AC Single Phase, 2 Wire (L,N & G/E)				
OUTPUT VOLTAGE		230V (Default - 220 or 240V selectable) AC Single Phase, 2 Wire (L,N & G/E)				
OUTPUT ACCURACY		Default $\pm 1\%$ (Adjustable 1% to 5%)				
MAX. INPUT CURRENT		5 Amps	10 Amps	16 Amps	26 Amps	52 Amps
CONNECTIONS	INPUT	Hardwire - Screw Terminals				
	OUTPUT	Hardwire - Screw Terminals & Universal Output Socket (x1)				
PHYSICAL SIZE		200(W) x 260(H) x 430(D) mm				
WEIGHT		19 Kg	19.5 Kg	20 Kg	23 Kg	27 Kg
PACKED CARTON SIZE		30(W) x 36(H) x 50(D) cm				
PACKED CARTON WEIGHT		20.7 Kg	21.2 Kg	21.7 Kg	24.7 Kg	28.7 Kg

**NB:** For ratings of 5 kVA and below, on individual / separate request, mSVS Stabilisers can be supplied built to accommodate wider permissible input voltage windows of  $\pm 20\%$  (-S20 Models) or  $\pm 25\%$  (-S25 Models).

**mSVS-L-S15 MODELS - SELECTION TABLE**  
110 to 127V SYSTEMS



MODEL NUMBER		mSVS-1L-S15	mSVS-2L-S15	mSVS-3L-S15
MAX. RATING	kVA	1	2	3
	AMPS	8.3	16.7	25
INPUT VOLTAGE WINDOW		120V (Default - 110, 115 or 127V selectable) $\pm 15\%$ (196 to 264V) AC Single Phase, 2 Wire (L,N & G/E)		
OUTPUT VOLTAGE		120V (Default - 110, 115 or 127V selectable) AC Single Phase, 2 Wire (L,N & G/E)		
OUTPUT ACCURACY		Default $\pm 1\%$ (Adjustable 1% to 5%)		
MAX. INPUT CURRENT		10 Amps	20 Amps	30Amps
CONNECTIONS	INPUT	Hardwire - Screw Terminals		
	OUTPUT	Hardwire - Screw Terminals & Universal Output Socket (x1)		
PHYSICAL SIZE		200(W) x 260(H) x 430(D) mm		
WEIGHT		18.5 Kg	19 Kg	19.5 Kg
PACKED CARTON SIZE		30(W) x 36(H) x 50(D) cm		
PACKED CARTON WEIGHT		20.2 Kg	20.7 Kg	21.2 Kg



Sinalda UK has evolved to become one of the world's leading specialist providers of AC Voltage Stabilizers and associated power line conditioning solutions.

Our Voltage Control solutions ensure our Customers – from consumers and small businesses to the largest of global organizations – can be certain that their vital systems and manufacturing processes always receive a voltage supply that is stable and clean – free from the vagaries of the mains utility supply.

**Want to learn more about us and the Clients we serve?**

Check us out online at  
<https://www.sinalda.com/sinalda-at-your-service/>



**Mini SVS SERIES**

AC Voltage Stabilisers are available from -

**For Stable, Clean & Optimised AC Voltage**

