

# Servo-Electronic/Electro-Dynamic Single Phase Automatic AC Voltage Stabiliser / Compensator / Optimiser / Regulator



Single Phase  
**mSVS-5H-S15**

## System Parameters



Rated Power:	5	[kVA]
Input Variation Range	±15	[%]
Selectable Rated Voltage:	230 (default) - 220 or 240 (selectable)	[V]
Input Voltage Range: *	196 - 264	[V]
Max Input Current:	30	[A]
Output Current: *	21.7	[A]
Output Accuracy:	±1 (Adjustable 1 to 5)	[%]
Frequency:	50/60 (47-63)	[Hz]
Speed of Regulation:	Typically a 10% supply variation will be corrected within 2.5% in 0.6 seconds	[Seconds]
Efficiency:	>98	[%]
Admitted Load Variation:	Up to 100	[%]
Cooling:	Natural Ventilation	[-]
Operating Ambient Temperature:	0/+45	[°C]
Storage Temperature:	-25/+60	[°C]
Max Relative Humidity:	90	[%]
Admitted Overload:	150% for 10 seconds	[%]
Harmonic Distortion:	None Introduced	[-]
Colour:	RAL 9002 (Grey White)	[-]
Ingress Protection Degree:	IP20	[-]
Metering (Front Panel):	Output Volts (Analogue)	[V/A]
LED Status Indication (Front Panel):	On (Green), Output Over Volts (Red), Output Under Volts (Red), & Output Normal (Green)	[-]
Installation:	Indoor - Hardwired Terminals (Rear Cable Entry)	[-]
Physical Size: (W x H x D)	200(W) x 260(H) x 430(D)	[mm]
Weight:	23	[Kg]

\* at 230V (Default) selected Output Voltage



## Additional Features

Input Circuit Breaker to protect against overload and short circuit
Inbuilt Electronic Controls Manual Bypass Switch
TVSS - Protects loads against high-energy Spikes and Transient Voltages
1 x Universal Output Socket
Soft Switch On / Start Up Load Protection
Extremely Low Maintenance

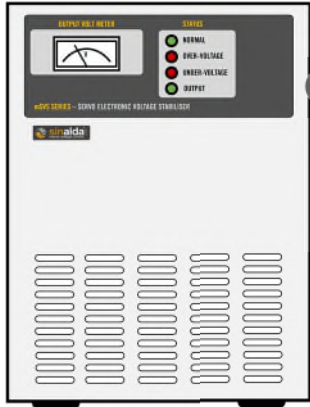
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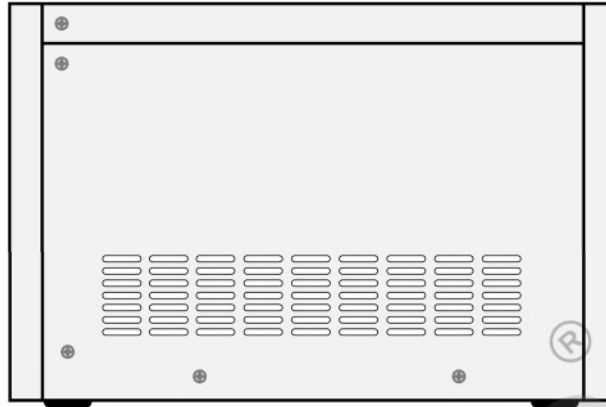
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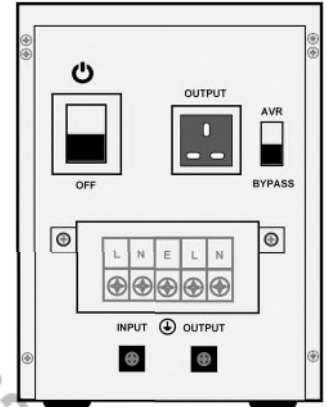
## Physical Appearance, Sizes & Weights



FRONT VIEW



SIDE VIEW



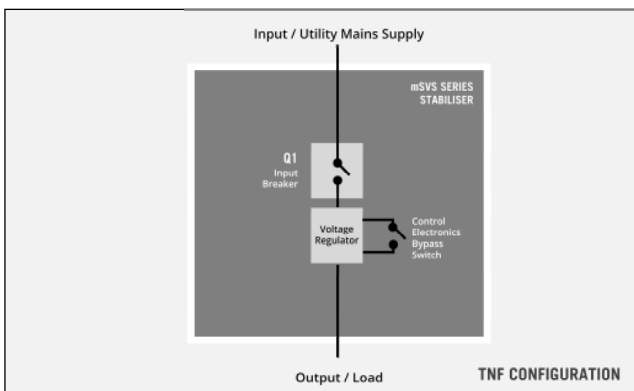
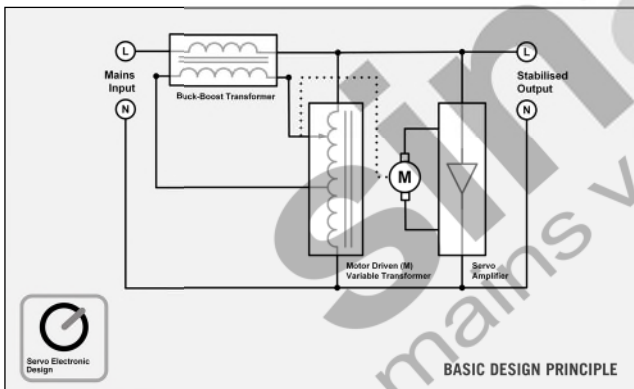
REAR VIEW

Unpacked:
200(W) x 260(H) x 430(D) mm - 23Kg
Packed:
30(W) x 36(H) x 50(D) cm - 24.7 Kg



FRONT DISPLAY PANEL

## General Schematic Diagrams



## Applications

The *mSVS* ranges of Servo Electronic AC Voltage Stabilisers / Regulators are suitable for 95% of all commercial and industrial applications.



Their traditional, well-proven, and field hardened design make them particularly popular with customers looking to protect loads of a more challenging general industrial nature.

