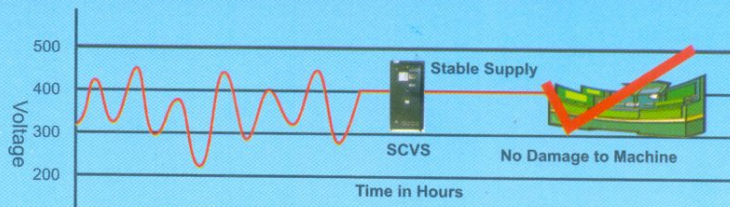
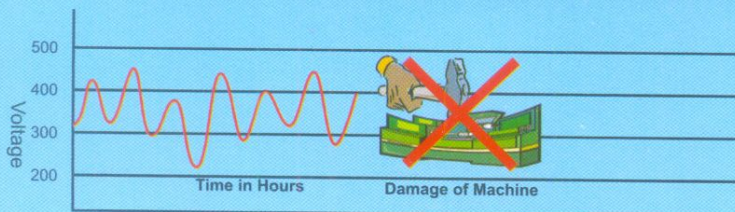


# KALORIE™

POWERING CRITICALS...

## Servo Controlled Voltage Stabilizer (SCVS)

[AIR-COOLED TYPE]



SAVE MANUFACTURING  
PROCESS

SAVE EQUIPMENT

SAVE ENVIRONMENT

SAVE ENERGY

### KALORIE SCVS



KALORIE™ range of Servo Controlled Voltage Stabilizers (SCVS) also known as Electro-dynamic or Electro-Mechanical type of voltage stabilizer. These contain auto-transformers with servo-controlled motor for continuous voltage selection, with a feedback circuit. The accuracy of the output voltage is very high and is generally in the range of + or -1% for which these can be used for sensitive applications.

#### APPLICATIONS :

- Medical : Ultra sound, Treadmill, Blood analysers, Scanners, Patient monitoring systems, Refractories, Digital X-Ray, CT Scan, MRI, NMR etc.
- Manufacturing : Control Panels, CNC Machine tools like lathe, drill, machining centre; Food/ printing/ leather/ textile/ granite processing equipments etc.
- Office : Computers, Photocopiers, EPABX, FAX etc.
- R & D : Spectrometers, Chronograph, Centrifuge etc.
- Packaging Machines : Form, Fill and seal Blister Packing
- Printing Machines : Offset colour printing, paper cutting.
- Photo Processing : Colour film developing and printing.
- Studio Equipment : Sound and picture dubbing and reproducing equipment.
- Package air-conditioners and UPS By-pass circuit power supply applications



# SALIENT FEATURES OF KALORIE™ SCVS

## SALIENT FEATURES

- **Digital Voltmeter** - Offers clear proof of the output accuracy of the stabilizer.
- **Electronic under/over voltage cut off** - Voltage sensing at the output and duplicated circuitry for maximum reliability.
- **Electronic overload cut off** - Current sensing using a current transformer for reliable operation at different ambient temperatures.
- **Visual & Audio alert** - Flashing LED and beeper to indicate resumption of regulated supply.
- **Fault Annuciation** - Green, Amber and Red LEDs for normal, caution and cut off indications to give appropriate information on the input/output status.
- **RFI Filter and spike Suppressor (Optional at extra cost)** - For protection of electronic circuits against RF Interferences, Spikes and Surges in the Common and Transverse Mode

## OPTIONAL FEATURES

- 110 V Output can also be supplied
- Over - Under Voltage Cut-off Protection through Contactor.
- Overload / Short Circuit protection through MCB / MCCB.
- Changeover / By-pass facility.
- Built in spike suppressor.
- Digital Voltmeter / Am-Meter.
- Single Phase / Phase Reversal Protection

## TECHNICAL SPECIFICATIONS FOR SCVS

	1 Ph / 1 Ph	3 Ph / 1 Ph	3 Ph / 3 Ph
Capacity	1 to 10 KVA	5 to 100 KVA	5 to 500 KVA
Input Voltage (V)	140 - 260V	300 - 500VAC	300V - 500V
Nominal Output Voltage(V)	220 / 230 Vac $\pm 1\%$	220 / 230 Vac $\pm 1\%$	380 / 440 / 415V
Input Frequency (Operating) HZ	48 - 53 Hz	48 - 60 Hz	48 - 60 Hz
Output Voltage & Regulation	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
Average Correction Rate (V/Sec)	30V/Sec (Phase to Neutral)	40V/Sec (Phase to Neutral)	25V/Sec
Waveform Distortion	Exact of output supply		
Effect of Load Power factor			
Output Voltage Indication	Yes (DVM)		
Electronic Overvoltage/Under voltage Protection	Yes		
Servo-motor Type	AC Synchronous		
Electronic Overload Cutoff	Optional		
Cooling	Forced Air		
Efficiency	>94%		
Output Waveform	Same as input		
Ambient Temp ( $^{\circ}\text{C}$ )	0 to 50 $^{\circ}\text{C}$		
Relative Humidity	90% H Max. Non-condensing at 35 $^{\circ}\text{C}$		
Protection	Low & High Voltage		
	Delayed Output Protection		
	Surge Protection (Optional)		
	Short Circuit Protection (Optional)		
Display	DVM with frequency, Current & Voltage display		

Authorised Distributor / Dealer



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