



# SEMICOSYS SERVO CONTROLLED VOLTAGE STABILIZER (Air & Oil Cooled)



Affordable and reliable protection for sensitive IT and electrical applications



The brand **SEMICOSYS servo stabilizer** is manufactured in Bangalore Karnataka India, we supply all over India. The company is updating the new innovation technology update, hence a constant upgradation for existing technology & enhance the product with best technology in the market.

SEMICOSYS, Through its quality products & Service has made its presence felt in various segments like, Scientific research equipment's, medical equipment's, Hospitals, Apartment's, Telecom, Automobiles, Textile, & IT.

## SEMICOSYS Microcontroller Based True RMS Servo Stabilizer:

Corrects & Measures the TRUE RMS Voltage, The Sampling rate of the system in very high. It ensures a correct voltage fed to your equipment.

Digital Display to read TRUE RMS basic electrical parameters.

## POWER CONDITIONING: SERVO CONTROLLED VOLTAGE STABILIZER

- AIR COOLED SERVO STABILIZER : 1KVA – 100KVA
- AIR COOLED SERVO STABILIZER RANGING FROM 3KVA – 100KVA 3Phase
- OIL COOLED SERVO STABILIZER RANGING FROM 1KVA TO 2000KVA 3Phase
- ISOLATION TRANSFORMER: 1KVA TO 2000KVA 3Phase
- K RATED TRANSFORMER: K1, K13, K20 TRANSFORMER AS PER CUSTOMER SPECIFICATION WILL BE MANUFACTURED
- DISTRIBUTION TRANSFORMER 63KVA TO 2000KVA

## HIGH QUALITY MANUFACTURERS

Transformers & Servo controlled voltage stabilizer. Our products range are 1 phase and 3 phase servo stabilizer air and oil cooled balanced type and unbalanced type & low voltage transformer control transformers, Isolation transformer Normal, k rated transformer, (K-1 to K-20) we also manufacture the transformer and servo stabilizer as per customer requirement.

*NOTE: Features & Specifications are subject to change due to continuous Improvement of Technology.*

ONLINE/OFFLINE UPS | BATTERIES | INVERTERS | SOLAR UPS | SERVO STABILIZERS | AIR & Oil Cooled TRANSFORMERS

SEMICOSYS ELECTRONICS & IT PVT. LTD #867/A, 1<sup>ST</sup> FLOOR, ADITHYA COMPLEX, 2<sup>ND</sup> CROSS, GOKULA 1<sup>ST</sup> STAGE, MATHIKERE, BANGALORE -560054. TELEPHONE :080-41440555.  
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## SEMICOSYS - SERVO

Highly dedicated and skilled team has left its foot print in the field of power conditioning Equipment's for Industrial and Domestic Applications Manufacturing Products like, Servo Controlled Voltage Stabilizers ( Air Cooled & Oil Cooled ) Transformers ( Ultra isolation Transformer , Step Down/ Up Transformer, Variable Auto Transformer, Low Voltage Transformers & Sensing Transformers Etc..) Online UPS, Home UPS, Batteries.



## KEY FEATURES

SEMICOSYS – Servo Stabilizer & Isolation Transformer are designed to handle 100% Load Current Continuously.

SEMICOSYS – SERVO Stabilizer use dimmer & Buck and Boost Transformer which are designed to handle 100% Load current and have Specially Designed Microcontroller based technology with digital LED display & Calibration with user friendly front panel

## AC MOTORS

We Use One of the best Motor available in the AC Stepper Motor Industry, Which has high efficiency & high Torque in its Class.

**SALIENT FEATURES:** Our Servo Stabilizer are designed with latest Hi-Tech Microcontroller Based Technology with Digital Display to read the following electrical Parameters

Phase to Neutral Voltage

Phase to Phase Voltage

Frequency Display

Output Load Current Display of Each Phase

Output Set Voltage

Set the Input Voltage Band

Input Over Voltage & Under Voltage Cutoff

Over Load Cutoff

Phase Reversal Protection Cutoff

Single Phase Reversal protection

Trip time delay Adjustments with Variable Settings.

True RMS Sensing without Control Transformer for output as well as input Manual / Auto output start and stop facility.

Above Features are controlled and calibrated through a touchpad provided in front panel (Calibration done without potentiometer adjustments).

## TRANSFORMERS

Our Transformer & Variable Auto transformers manufactured & Tested in house, using high quality grain oriented silicon steel to ensure low iron losses and NO LOAD Losses are kept in the limits. And is constructed as per IS 5142 & IS2026.



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## CONTROLS

High Tech Micro Controlled Based technology with digital Control and Digital display and Calibration is done through keypad provided on the front panel (Without Potentiometer Adjustments).

INPUT VOLTAGE BAND	Three Phase	Single Phase
Range	295V-465V	170V-270V
Range	340V-460V	190V – 270
Any Other Input Voltage Range Can be manufactured as per Customer Specifications, to Suit his site conditions.		
OUTPUT VOLTAGE	Three Phase	Single Phase
	415V+/-1%	240+/-1%
	380V/400V/415V	220V/230V/240V(Settable).
OUTPUT FREQUENCY	50Hz +/-3%	
REGULATION	+/- 1%	
OUTPUT DELAY TIME ADJUSTMENT	3sec to 200sec	
EFFICIENCY	>98%	

### OVER LOAD PROTECTION:

Is Provided in Case of over load currents, exceeding the set limit current, to safe guard the stabilizer. Once the overload situation occurs, it switches off the output from the system with "Overload display ". And it automatically resets, and it automatically resets, when the load is reduced and the START button is pressed.

### PHASE REVERSAL PROTECTION:

When the phase reversal occurs from the incoming supply, it switches off the system with display showing "Ph. Reversal ". It Resets when the incoming Phase is inter changed and the START Button is Pressed.

### STANDARD PROTECTION FOR 3PHASE:

Output Under & Over Voltage Protection & Over Load Protection.  
Single Phase & Phase Reversal Protection.

### FRONT PANEL CONTROL & DISPLAY:

Digital Display to read the Voltage, Current, Frequency, Start, Stop & Menu Keypads. All the Calibration is done through front panel using only touch pad (Without using potentiometer adjustments).

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