

# SERVO CONTROLLED VOLTAGE STABILIZER

(1KVA - 15KVA)



# GEESYS™

Expert in General Electrical & Electronic SYStems

Reduce the Failure Rate of Electrical Power  
Dependent Equipments

## FEATURES

- ▶ DSP Based - high speed Correction.
- ▶ 3 stage TRIP and trip delay for low & high voltage and over load.
- ▶ Very Wide input voltage range & Excellent output stability.
- ▶ Efficiency of over 98% at full load.
- ▶ Event Logging, Details of 100 Events.
- ▶ User friendly HMI.
- ▶ Field programmable servo parameters.
- ▶ Suitable for 100% Duty Cycle.
- ▶ No Waveform Distortion - No Harmonics Added.
- ▶ Modular Construction for Easy Customization.
- ▶ Extremely High Overload / Inrush Rating.
- ▶ Immune to Load PF & Supply Frequency Variations.
- ▶ Trouble Free Operation with No Active Devices in Power Path.
- ▶ Life at Full Load is more than 15 Years.
- ▶ Very High Reliability.
- ▶ Easy & Simple Maintenance.



## 1-Ph SERVO STABILIZER RANGE

TYPE	CAPACITY
Air Cooled	: 1-15KVA

# SERVO CONTROLLED VOLTAGE STABILIZER

## 1 - PHASE

### Protections :

- ▶ Electronic over & under voltage trip with time delay for input & output.
- ▶ Input Overload and Short Circuit Protection with MCB.
- ▶ Surge Arrester / RF suppressor (OPTIONAL)
- ▶ Neutral failure protection.
- ▶ Output Electronic Overload Protection.
- ▶ Earth neutral voltage cut off protection.
- ▶ Menu settable configuration using 2x16 LCD and push buttons.

### Front Panel Display and Controls

- ▶ Real Time measurement of the following parameters using advanced Microcontroller.
- ▶ Input voltage (Line to Neutral)
- ▶ Output voltage (Line to Neutral)
- ▶ Output current
- ▶ Frequency
- ▶ History of Error Logs.

### Specification :

Capacity	1 KVA - 15 KVA
Input Voltage Range	170 - 270 AC, 50Hz
Output Voltage	230V AC, 50Hz 1-Phase
Output Voltage Adjustments	220 - 240V AC
Operating Frequency	47 to 53Hz
Output Regulation	±1%
Correction Speed	35V/Sec
Load Regulation	±1%
Wave-form Distortion	Nil
Power Factor effect	Nil
Output Wave-form	True reproduction of Input
Type of Cooling	Natural Air - Cooled
Mode of System	Fully Automatic / Manual
System Construction	As Per IS : 9815
Efficiency	>98.5%
Response Time	10 milli sec
Servo Motor Drive	Rugged ac Step Synchronous motor
Enclosure	IP20



\* Tailor Made Products are available

**GEESYS Technologies India Pvt. Ltd.**

(An ISO 9001 : 2015 Certified Company)

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