



An ISO 9001:2000 Company

SERVO STABILIZER



CNC MACHINES



HOSPITALS & CLINICS



HEAVY INDUSTRY



COMPUTERS



An ISO 9001:2000 Certified Company

SERVO CONTROLLED VOLTAGE STABILIZER



In many supply systems considerable variation is encountered in the mains voltage for which it is designed. The hazards of over-voltage are well known and these voltage fluctuation constitute a serious problem for users of most of the electrical equipments. Considering the above facts, Servo Controlled Automatic Voltage Stabilizers are designed and manufactured by us for the healthy operation of sophisticated equipments of every industry and research institution, (precision laboratory equipments, radio transmitters, radar devices, computers) general industrial production and process control equipments or even controlling the entire supply to a laboratory, testing room/factory, that too at a substantial saving in cost.

Zenelec Servo Motor Controlled Voltage Stabilizers are based on the principle of feed back information, and are manufactured from the highest quality raw materials available.

These regulators are high speed electromechanical regulators and are manufactured using the latest technology so as to provide constant voltage for supplying the desired voltage without any harmonics and can even operate over a wide temperature range.

Salient Features:

- Fully solid-state servo controller (no relays)
- Rating up to 1000KVA
- Instantaneous response, 10m sec.
- Total reliability
- Fast rate of correction (over 40v/sec. single phase & 70V/sec. in three phase)
- No hunting or under / overshoot of output voltage
- No noise generated by the system due to relay-free operation
- No waveform distortion
- Plug-in type PCB with gold plated fingers for superior contacts and for easy replacement
- All transformers are copper wound on CRGO, laminations with vacuum impregnation
- Use of professional grade components for total reliability
- Efficiency better than 98%

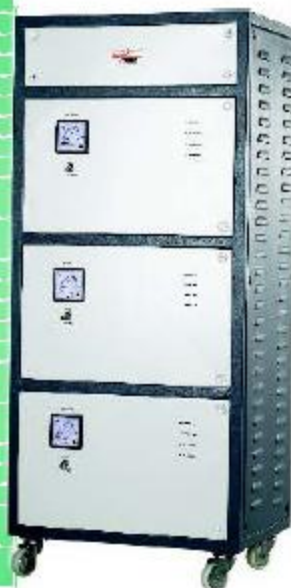
DESCRIPTION	Three Phase	Single Phase
CAPACITY	5KVA to 2000KVA	1KVA to 200KVA
Input Voltage Range	230V - 660V AC	170 - 270V AC
Output Voltage	Phase to Phase 380V / 400V / 415V AC 50 Hz Unbalanced - 4 wire R Y B N	Phase to Neutral 230VAC 50Hz P N 2 wire
Connections	Star	
Operating Frequency		47 to 59 Hz
Output Voltage Adjustable	380V to 415V AC	220 / 230 / 240 V AC
Output Voltage Regulation (No load)		+/- 1%
Output Voltage Regulation (Full load)		+/- 1%
Overload capacity		120%
Correction Rate		25V/Sec
Waveform Distortion		NI
Output Waveform		True Reproduction of Input
Insulation		Class 'B'
Short Circuit Period & Percentage		300% for 250 msec.
Normal Operating Temperature		0°C to 45°C
Climatic Conditions		90% RH Max. Non-Condensing At 35°C
Type of Cooling		Natural Air Cooled / Oil Cooled
Mode of system		Fully Automatic/Manual
PROTECTIONS		Output High/Low Cutoff through Relay/Contactor HBC Bars for Input and Output Selector Switch with meter to monitor both input and output voltage on each phase

* Specifications are subject to change as Design & Development are a continuous process.

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WITH CENTRES IN:

- TRIVANLUR
- COIMBATORE
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AN ISO 9001 CERTIFIED COMPANY