



SERVO VOLTAGE STABILIZER

General make servo stabilizers are one of best latest digital power saving technology in country strictly adhering BIS 9815:1994 standard & can be installed on main incoming supply hence no need to install separate stabilizers for individual system. It provides you smooth supply without any hunting. We are in this field from past 10 years and PAN India presence.

We have an expert team that listens to customers' all requirements to make voltage stabilizers. Do make types of servo voltage that are used in many places like industrial and residential purposes. Do make Automatic, Industrial, *Single Phase, Three Phase Servo Voltage Stabilizer* at a valuable cost in India Basis.

General

Three phase servo voltage stabilizers are automatic line Voltage corrector using synchronous motor in close loop control. The stabilizer employ continuously variable auto transformer, buck-boost transformer, AC synchronous motor, state of the art IC closed loop control system with all protection, metering, indication and control system to give desired output voltage within the specified limits for a range of input voltages. Provision for manual correction of voltage can also be provided.

User field of the applications

- Information Technology and call center
- Commercial Building and Complexes.
- Computers and Micro Processor Control Systems.
- CNC Machines, Laser Machines, Moulding Machines.
- Central Air- Conditioning plants, Processing Plants, Chemical Industries, Textile Industries.
- Defense Installation LPTs, HPTs, Broadcasting, Telecommunications.
- Sophisticated research instruments are used in Medical, agriculture, educational, and other Research Institutions.
- Offset Printing presses, Color Scanners/Processors, Phototypesetters, Photographic Equipment, Photocopiers, and packing industries.
- Petrol Pumps.
- Medical Equipment, X-Ray Machines, ECG Machines/ Monitors, Refrigerated systems, centrifuges, NMR, MRI, Oxygen Plant and CT Scanners.
- Air Conditioning Plant

Technical Specifications: Single Phase/ Three Phase Servo Voltage Stabilizer

Parameter	Single Phase Unit	Three Phase Unit
Rating	1 KVA to 30 KVA	6 KVA to 1500 KVA
Input Voltage Range	a) 207V - 280V b) 180V - 280V c) 160V - 280V d) 120V - 280V e) 90V - 280V f) 70V - 280V	a) 360V - 480V b) 340V - 480V c) 300V - 480V d) 200V - 480V e) 150V - 480V f) 120V - 480V
Nominal Output Voltage	230V	400V/415V
Output Voltage Accuracy	± 1%	± 1%
Line Frequency Variation	50Hz	50HZ
Effect of Power Factor	None	None
Wave Form Distortion	NIL	NIL
Control	Digital/Analogue	Digital/Analogue
Response Time	10 ms.	10 ms.
Voltage Correction Rate Air Cooled Oil Cooled	25V / Sec. 15V/ Sec	40V / Sec 25V / Sec.
LCD Display (20 x 2 matrix)	Date & Time, Input Voltage, Output Voltage & Current	
Log Book Memory (Non-volatile)	No. of Hrs. of operation on mains. Peak Current demand. Nos. of Abnormal High Voltage cut-off events. Nos. of Abnormal Low Voltage cut-off events. No. of Hrs. of operation on DG.	
Programmable Features (Through 2-parallel way resettable passwords)	HV cut-off set. LV cut-off set. O/L trip set. Time delay set Operating mode (auto/manual)	
Cooling: 1. Air Cooled 2. Oil Cooled	1 KVA to 40 KVA & above 10 KVA to 1500 KVA & above	
Efficiency	97% to 99% (Depend on Input Voltage Range & Capacity)	
Protection	Overload & Short Circuit Protection Earth Fault Protection High/Low Voltage Cut Off Spike and Surge Protection Single Phase Prevention / Reverse Phase Auto Phase Correction in case of phase reversal Over Temperature Cut Off Systems By Pass Arrangement (for in case of Emergency)	
Surge Protection	Class C Type Secondary Surge Protection	