



GMDT

Power solutions everywhere

SERVO STABILIZER MANUFACTURER



DIGITAL SERVO STABILIZER

Upto 5000 KVA

BENEFITS OF "GMDT" MAKE SERVO STABILIZERS :

- ❖ **REDUCTION IN BREAKDOWN OF ELECTRICAL EQUIPMENTS** : UP TO 70% depending upon the input voltage variation and working hours of the plant which will result in zero breakdown and better utilization of manpower & equipments.
- ❖ **ENERGY SAVING** : 5-25 % depending upon the input voltage variation and working hours of the plant.
- ❖ **GUARANTEE** : Our Servo stabilizers are warranted for 1 year unconditionally after installations at site. We have wide spread service network in most of the states in India and we provide services at site our clients for any complaints.
- ❖ **REDUCTION IN MDI** : There will be definite reduction in MDI by 10-15% after the power factor by 10-15% after the installation of the equipment.
- ❖ **IMPROVEMENT IN POWER FACTOR** : Improvement in the power factor by 10-15% can be achieved as the output supply will be stable.
- ❖ **EFFICIENCY**: "GMDT" make Servo controlled voltage stabilizers are 98.5% efficient compared to other conventional Servo stabilizers.
- ❖ **LOAD** : "GMDT" make Servo controlled voltage stabilizers are manufactured for unbalanced load or Balanced load as per customer requirements.

In some or other way Voltage Fluctuation is a common phenomenon in every part of life and keeping in view the current electrical modifications, "stable electricity distribution will take a long way". Normally, Input voltage is low during day time and high during night hours resulting in frequent electrical breakdown and consequently effects the production and overall expenses.

The importance of the use of servo voltage stabilizer with sensitive electronic & electric equipment is well known. No one like to risk the life of their costlier appliances, CNC machines, electrical equipment, medical equipment, printing machines, domestic appliances etc. by connecting it directly to unstabilized fluctuating AC supply.

GMDT'S Digital Servo Stabilizer has been designed to give a constant output voltage with accuracy of $\pm 1\%$, which allows the optimum current drawing and as such no excess power is consumed at low as well as high voltage, subsequently use of servo stabilizer saves power and reduces MDI. Our optional protection features protects the equipment from every possible hazard, although these features solely depends upon the input voltage conditions or equipment's specifications.

The most important factor of any electrical equipment is the quality of raw material used and at Servokon, our main aim is to provide superior quality maintenance free products. To assure the same we're using the latest Digital Micro Controlled Circuitry for making operations maintenance free, Imported Low Loss M-4 grade CRGO laminations and "Sterlite" make 99.9% electrolytic copper to minimize the iron-copper losses and maximizing efficiency of our product i.e. more than 98%. Transformer Oil also plays a vital role in a servo stabilizer in controlling temperature rise, efficiency and overall enhancing product's life. Thus, we always use Branded High Quality "A Grade" transformer oil confirming as per IS 335 standards.

Air Cooled Digital Servo Stabilizer

We offer Air Cooled Servo Stabilizers in both single & three phase supplies. Normally these Air Cooled Servo Stabilizers are used with Individual sensitive electrical/ electronic equipments.



Single Phase



Three Phase

Oil Cooled Digital Servo Stabilizer

We offer Oil Cooled Digital Servo Stabilizers which give a complete voltage supply solution for all type of industrial, offices and residential setups. Days are gone when individual stabilizers were installed with every equipment/Air conditioners or any electronic item, now we offer specially customized single servo stabilizer that will cater complete electrical load connected, Protects and stabilizes the whole voltage supply within accuracy of $\pm 1\%$.



Three Phase



Single Phase

Superior Features

- Wide Input range- from 90v to 330v
- Latest Digital Micro Processor Controller
- High quality Raw Material
- High efficiency
- Saves Power & Reduces MDI
- Long life with negligible maintenance

Quality

We ensure that every product manufactured is thoroughly checked and tested at our in-house testing facility as per specified "IS Standards" to meet our commitment to provide highly reliable, robust and versatile products in all respect.

*Actual product may vary

Specifications

Standard	Confirms to latest IS-9815 & ISO 2026 standards
Rating	Upto 5000 KVA
Input Voltage Ranges	Single Phase : 160V-260V, 140V-280V and 90V-270V (Can be customised) Three Phase : 270V - 460V, 250V-460V and 150V-460V (Can be customised)
Output Voltage Ranges	Single Phase : 220/230/240 \pm 1% & Three Phase : 380/400/415 \pm 1%
Output Perform	110V output for imported equipments
Input Frequency	47 - 53 Hz
Response Time	Instantaneous (milisec)
Correction Speed	10 - 60V/sec (as required)
Correction Methods	Step less correction using Servokon's make variac
Cooling	Natural Air / Natural Oil
Efficiency	More than 98%
Duty Cycle	Continuous 24 Hrs.
Operation	Auto/Manual
No Load Loss	Less than 0.4%
Compatibility Test	Specially designed control card for faithful operation on Mains as well as DG Set
Suitability	Suitable for 100% Unbalanced/Balanced Supply & 100% Unbalanced/Balanced Loads
Operating Temperature	-15°C to 50°C above ambient

Optional features (which can be incorporated for extra cost)

- High Voltage Cut Off System
- Low Voltage Cut Off System
- Over Load and Short Circuit Protection
- Single Phase Prevention Systems (in Three Phase) shuts down the stabilizer in case any phase fails
- Phase sequence change protection
- Change Over switch to by pass the stabilizer and use main voltage directly
- Earth Fault Protection
- Surge and RF Suppression System
- Ammeter with CT to monitor the connected load

Applications

- Air Conditioning Plants • Medical Equipments • Offset Printing Machines • CNC Machines • Escalators & Elevators
- Industries & Lighting Loads • Mall & Commercial Complexes • Residence & Office • Telecommunication Systems
- Sophisticated Laboratory Equipments • Defence Equipments • Motors • Cement Plants • Hotels • Industries • R&D Institutions • Data Centres • Distilleries & Beverages • Tea Estates • Meteorological Equipments • Food Processing Units
- Cold Storages • Rubber Industries • Rice Mills • Sugar Mills • RO Plants

India | Nigeria | Tanzania | Somalia | Kenya | Uganda | Saudi Arabia | Jordan | Iraq | Dubai | Egypt | Zambia | Iran | Ethiopia | Sri Lanka | Malawi | Bangladesh | Germany | Singapore | Nepal | Bhutan | Morocco | Egypt | Seychelles | Paraguay

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