



Single Phase Servo Stabilizer

A voltage stabilizer is an Electrical & Electronic device that supplies a consistent output voltage irrespective of input supply (Depending on Input Range). It protects Electric / electronic appliances from under and over voltage supply. A Servo voltage stabilizer functions (Through Servo Motor) to automatically maintain a constant voltage (+/-1% Variation) of the voltage for our electrical appliances.



Technical Specifications :

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|-----------------------------|---|
| Stabilizer Type | Servo controlled voltage stabilizer with 1Ph input and 1Ph Output, suitable for unbalanced loads and unbalanced input conditions. |
| Rating & Load | 1KVA to 5KVA 1Ph, 3 wire |
| Input voltage range | 90V - 260V, 140V-270V, 170V-270V, 170V-300V (P-N) |
| Normal output voltage | 220V, 230V, 240V +/-5% (P-N) |
| Type of cooling | Air Cooled / Oil Cooled |
| Servo motor drive | AC synchronous stepper motor |
| Average correction Rate | 45C/sec Line to Neutral or 70V/sec L-N |
| Input frequency range | 47 Hz to 53 Hz. |
| Efficiency | 98% at normal input |
| Wave distortion | Nil |
| Effect of load power factor | Nil |
| Type of servo control | Buck Boost Transformer and Variac type |
| Under / Over Voltage Cutoff | Upper limit +/-5%, Lower limit 10% |
| Over load cut off | Operative above 110% of the rated output current with graded time delay |
| Short circuit protection | MCB provided up to 100 kva. Above 100kva HRC fuse (optional) |
| Phase reversal protection | provided |
| Single phase prevention | provided |
| Service Bypass | provided on the input(optional above 15kva) |
| Resetting mode | Automatic restart with option for manual restart |
| Parameters displayed | Input & output voltages, Output currents & Frequency |
| Parameters displayed | Fault annunciation |
| LED indications | Non Latching Led lamps for Output ON, MCB trip, Stabilizer Bypass |
| Housing | Powder coated with Castrol wheels |
| Input / output terminations | 4 way terminal connector for cable termination |

Applications:

- CNC & VMC Machines
- Bio Medical Machineries
- Tele Communications Network
- Textile Machines
- Printing Machines
- Laboratory Equipments

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