



Covai Power Solutions®

(Power Division)

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 :

Stabilizer Type	Servo controlled voltage stabilizer with 3Ph input and 3Ph Output, suitable for unbalanced loads and unbalanced input conditions.
Rating & Load	1KVA to 2500KVA 3Ph, 4 wire
Input voltage range	155V-465V, 240V-465V, 295V-465V, 295V-510V, 340V-480V (P-P)
Normal output voltage	380V, 400V, 415V +/-5% (P-P)
Type of cooling	Oil Cooled
Servo motor drive	AC synchronous stepper motor
Average correction Rate	45C/sec Line to Neutral or 70V/sec L-L
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	8 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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