

SERVO CONTROLLED VOLTAGE STABILIZER

(3KVA - 1000KVA)



GEESYS™

Expert in General Electrical & Electronic SYStems

Reduce the Failure Rate of Electrical Power
Dependent Equipments

FEATURES

- ▶ DSP Based - high speed Correction.
- ▶ 3 stage TRIP and trip delay for low & high voltage and over load.
- ▶ Very Wide input voltage range & Excellent output stability.
- ▶ Efficiency of over 98% at full load.
- ▶ Event Logging, Details of 100 Events.
- ▶ User friendly HMI.
- ▶ Field programmable servo parameters.
- ▶ Suitable for 100% Duty Cycle.
- ▶ No Waveform Distortion - No Harmonics Added.
- ▶ Modular Construction for Easy Customization.
- ▶ Extremely High Overload / Inrush Rating.
- ▶ Immune to Load PF & Supply Frequency Variations.
- ▶ Trouble Free Operation with No Active Devices in Power Path.
- ▶ Life at Full Load is more than 15 Years.
- ▶ Very High Reliability.
- ▶ Easy & Simple Maintenance.



3-Ph SERVO STABILIZER RANGE

TYPE	CAPACITY
Air Cooled	: 3-350KVA
Oil Cooled	: 3-1000KVA

SERVO CONTROLLED VOLTAGE STABILIZER

3 - PHASE

Protections :

- ▶ Electronic over & under voltage trip with time delay for input & output
- ▶ Electronic overload protection and short circuit protection upto 30 KVA through MCB and the Manual bypass is built in. Above 30 KVA MCB/MCCB is an optional.
- ▶ Surge Arrester / RF suppressor (OPTIONAL)
- ▶ Single phase prevention and cut off
- ▶ Phase reversal protection and cut off
- ▶ Neutral failure protection
- ▶ Frequency cut off protection
- ▶ Earth neutral voltage cut off protection
- ▶ Menu settable configuration using 2x16 LCD and push buttons

Front Panel Display and Controls

- ▶ Real Time measurement of the following parameters using advanced Microcontroller.
- ▶ Input voltage (Line to Neutral)
- ▶ Input Voltage (Phase to Phase)
- ▶ Output voltage (Line to Neutral)
- ▶ Output voltage (Phase to Phase)
- ▶ Load current in all Phases
- ▶ Frequency
- ▶ History of Error Logs.

Specification :

Capacity	3KVA - 2000 KVA
Input Voltage Range	240-465V 295-465V 340-480V 360-500V 3Ph, AC, 50Hz
Output Voltage	380V / 400V / 415V
Input Frequency	47 to 53 Hz
Control Type	Digital - DSP Microcontroller Based
Correction Rate	60V / Sec-Phase to Phase : 110V/Sec with DC Motor*
Type of Cooling System	Air Cooled upto 300 KVA, Oil Cooled upto 2000 KVA
Reset	Unbalanced 4 wire : R Y B N
Connections	Star
Efficiency	Manual / Auto Reset with time delay
Mode of system	>98%
Waveform Distortion	Fully Automatic / Manual
Output Waveform	Nil
Over Load Capacity	True Reproduction of Input Class "B"
Audio Alarm	120%
Manual Bypass	For Tripping Conditions
Servo Motor Drive	Optional at Extra Cost above 30 KVA
Operating Temperature	Rugged AC Step Synchronous Motor
Climate Conditions	0°C to 45°C
Provision of Cabling	90% Rh max. Non Condensing at 35°C
	Input and Output Terminations with Provision for Fixing Cable Glands



* Tailor Made Products are available

GEESYS Technologies India Pvt. Ltd.

(An ISO 9001 : 2015 Certified Company)

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