

## SERVO VOLTAGE STABILIZER (5 kVA to 3000 kVA)

### Sailent Features:

- Effective protection from Input High Voltage, Input Low Voltage & Output Over Voltage.
- Overload Current trip, Single Phasing Preventions, Instant Short Circuit Over Current Trip.
- Effective Control from transient voltage surge and spikes.
- Neutral Fault protection.
- Microcontroller and DSP based display system.



### Advantages:

- Power Saving and reduction in power bills upto 20%.
- Enhance Power factor by voltage regulation.
- Reduction in electrical and electronic equipment breakdown and improve life of equipment.
- Ultra Isolation Transformer at Output as optional.

## AIR COOLED SERVO VOLTAGE STABILIZERS



### TECHNICAL SPECIFICATIONS

Capacity	5 kVA - 75 kVA
Input Voltage Range Models	170-270 / 140-300 / 100-300 V AC (1-Phase) 340-480 / 300-480 / 250-500 / 150-500 (3-Phase)
Output Voltage	230 +/- 1% VAC (1-Phase) 415 +/- 1% VAC (3-Phase)
Input Frequency	47-53 Hz
Correction Speed	75 V/Sec
Effect Of Power Factor	Nil
Control and Monitoring	1. Micro-Controller & DSP based Electronic Card with inbuilt LCD display 2. Input L/L&L/N Voltage monitoring 3. Output L/L&L/N Voltage monitoring 4. Load current Phase wise monitoring 5. Input Line Indication
Waveform Distortion	As per input waveform
Efficiency	> 98%
Cabinet Colour	Siemens Gray
Servo Motor Drive	Rugged AC step synchronous motor
Nature Of Cooling	Natural Air Cooled
Protections	1. Electronic over & under voltage trip with time delay for input & output 2. Electronic overload protection and short circuit protection through MCB 3. Surge Arrester(OPTIONAL) 4. Phase reversal cut off 5. Single phase prevention cut off 6. Neutral failure protection 7. Earth neutral voltage cut off protection
Output Panel	Terminated with suitable Busbar
Enclosure	Cubicle made out of 10 SWG CRCA sheet
Noise Level	< 55 DB at a distance of 1 Mtr



### OIL COOLED SERVO VOLTAGE STABILIZERS

#### TECHNICAL SPECIFICATIONS

Capacity	30 kVA - 3000 kVA
Input Voltage Range Models	340-480 / 300-480 / 250-500 / 150-500 (3-Phase)
Output Voltage	415 +/- 1% VAC (3-Phase)
Input Frequency	47-53 Hz
Correction Speed	75 V/Sec
Effect Of Power Factor	Nil
Control and Monitoring	<ol style="list-style-type: none"> <li>1. Micro-Controller &amp; DSP based Electronic Card with inbuilt LCD display</li> <li>2. Input L/L &amp; L/N Voltage monitoring</li> <li>3. Output L/L &amp; L/N Voltage monitoring</li> <li>4. Load current Phase wise monitoring</li> <li>5. Input Line Indication</li> </ol>
Waveform Distortion	As per input waveform
Nature Of Cooling	Oil Cooled ( BS:335 Standard Oil )
Efficiency	> 98%
Cabinet Colour	Siemens Gray
Servo Motor Drive	Rugged AC step synchronous motor
Protections	<ol style="list-style-type: none"> <li>1. Electronic over &amp; under voltage trip with time delay for input &amp; output</li> <li>2. Electronic overload protection and short circuit protection through MCB</li> <li>3. Surge Arrester(OPTIONAL)</li> <li>4. Phase reversal cut off</li> <li>5. Single phase prevention cut off</li> <li>6. Neutral failure protection</li> <li>7. Earth neutral voltage cut off protection</li> </ol>
Output Panel	Terminated with suitable Busbar
Enclosure	Cubicle made out of 10 SWG CRCA sheet
Noise Level	< 55 DB at a distance of 1 Mtr

