

## Voltage Stabilizers



### Servo Control Voltage Stabilizer (Air Cooled 3 – 500 KVA)



#### Features & Benefits

- No potentiometer adjustments
- All parameters can be modified using the keypad in the front panel
- Set input voltage band
- Set output voltage
- Set output voltage sensitivity
- Output over / under voltage cut-off
- Input over voltage / under voltage cut-off
- Over load cut-off
- Trip time delay adjustments with variable setting
- Opto isolated motor driven control
- Manual and auto start facility
- Common control card – any capacity
- Output start and stop facility
- Fully micro control function
- Generator compatibility
- Both outdoor and indoor models
- True RMS sensing without control transformer for output and input

#### Voltage Stabilizer Range

Air Cooled	3 – 500 KVA
Oil Cooled	3 – 3500 KVA

## Technical Specifications - Air Cooled Servo Control Voltage Stabilizers

Capacity	3-500 KVA		
Input Voltage Range*	A) Range 1 : 295 V-465 V	B) Range 2: 340V-480 V	C) Range 3 : 360 V-460 V
Output Voltage	380/400/415 V + 1% Set		
Input Frequency	47-53 Hz		
Control Type	Digital-Micro controller based		
Correction Speed*	70 V per second		
Reset	Manual / Auto Reset with time delay and programmable		
Protections	A) Electronic over & under voltage trip with time delay for input & output		
	B) Electronic overload protection and short circuit protection upto 30 KVA through MCB and the Manual bypass is built in. Above 30 KVA MVB/MCCB is an optional.		
	C) Surge Arrester/RF suppressor (OPTIONAL)		
	D) Phase reversal protection and cut off		
	E) Single phase prevention and cut off		
	F) Neutral failure protection		
	G) Frequency cut off protection		
	H) Earth neutral voltage cut off protection		
Metering Digital Type	A) Input phase to neutral	B) Input phase to phase	
(Class 1 Accuracy with Full Scale $\pm 1$ )	C) Output phase to neutral	D) Output phase to phase	
	E) Load Current in all the phases	F) Frequency	
Audio Alarm	For tripping conditions		
Nature of Cooling	Natural air cooled upto 150 KVA & Forced air cooled above 150 KVA		
Effect of Power Factor	Nil		
Waveform Distortion	Nil		
Annunciation Panel	Non Latching LED indications with dual colour for Over load Latching Conditions		
Efficiency	> 98%		
Cabinet Colour	Siemens Grey		
Provision of Cabling	Input and Output terminations with provisions for fixing cable glands		
Servo Motor Drive	Rugged AC step synchronous motor		
Operating Temperature	0-45° C		
*Range can be customised to customer requirement			

All specifications are subject to change

Custom models available on request

Registered office

Consul Neowatt Power Solutions Pvt Ltd  
 (CIN:U31900TN1985PTC011866)  
 119, 120, 120A, Electrical and Electronics Industrial Estate  
 Perungudi, Chennai – 600 096  
 Phone: +91 78100 09955  
 Website: [www.consulneowatt.com](http://www.consulneowatt.com)  
 Email: [enquiry@consulneowatt.com](mailto:enquiry@consulneowatt.com)

Contact: