

Voltage Stabilizers

**Nepal Power
Solution (P). Ltd.**

Servo Control Voltage Stabilizer (Oil Cooled 3 - 3500 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

Service Centers in Kathmandu and Hetauda

24x7 Support

Technical Specifications – Oil Cooled Voltage Stabilizers	
Capacity	3-3500 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 MCB/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 (Class 1 Accuracy with Full Scale ± 1)	A) Input phase to neutral B) Input phase to phase 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	ONAN
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

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