

INLINE 1965



SERVO VOLTAGE STABILIZER

POWER APPLICATION SYSTEM
AN ISO : 9001 – 2015 Certified Company



SERVO VOLTAGE STABILIZER

INLINE SERVO STABILISER consists of a continuously variable auto transformer operated by an AC steps synchronous motor, a buck-boost transformer and IC based control circuit. The control circuit continuously monitors the output voltage and looks for error in the output and is immediately corrected by switching on the servo motor in appropriate direction in order to induce the required voltage through the series connected buck-boost transformer. As soon as the voltage reaches the desired level the motor is switched off. The High and Low indicators on the panel indicates the status of incoming mains supply. In the manual mode the voltage could be increased or decreased by pressing the switch in either direction. The output adjustment facility has been provided to adjust the output voltage as per requirement.

The operation of Three Phase Servo Stabilisers remains same. However, it consists of three single phase units housed in a single sheet metal cabinet. The unit is suitable for both Balance and unbalance load and supply for which separate PCBs have been provided to monitor the supply voltage in individual phases.

STANDARD FEATURE THREE PHASE (Unbalance Type)

Input Voltage	:	180 - 270 Volts/160 - 260 Volts
Output Voltage	:	230 - 240 Volts
Output Adjustment	:	210 - 240 Volts
Cooling	:	Air/Oil
Line & Load regulation	:	+ 0.5% of set output
Sensitivity Adjustment	:	0.5% - 2%
Speed of Correction	:	20 V/Secs
Metering	:	0-300V moving iron type voltmeter
Ratings (in KVA)	:	1,2,3,4,5,8,10, 15, 20, 25, 40, 50, 75, 100, 150 KVA

STANDARD FEATURE SINGLE PHASE

Input Voltage	:	315-470 Volts
Output Voltage	:	400/450 Volts
Output Adjustment	:	380-420 Volts
Cooling	:	Air/Oil
Line & Load regulation	:	+ 0.5% of set output
Sensitivity Adjustment	:	0.5% - 2%
Speed of Correction	:	20 V/Secs
Metering	:	0-500V moving iron type voltmeter
Ratings (in KVA)	:	3, 6, 10, 15, 20, 25, 30, 45, 60, 75, 100, 150, 250, 350, 600 KVA

COMMON FEATURES

Supply Frequency	:	47 - 63 Hz
Wave form distortion	:	Nil
Load Power factor	:	Suitable for all power factors.
Ambient Temperature	:	50oC
Efficiency	:	96 - 98% at full load
Mounting	:	Indoor, Floor/Table mounting

COMMON FEATURES

Moulded Case Circuit Breakers	:	Electronic Audio Alarm
Ampere Meter with CT's	:	By Pass Switch
RF Interference with filter	:	Digital Panel Meter
High/Low Voltage cut off	:	Earth Leakage relay

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