



# VINITEC

The Technology Leaders

**SERVING FROM LAST 50 YEARS**



**Servo voltage Stabilizer**



Automatic Phase Sequence Corrector



Isolation Transformer



UPS System



L T Panel



Automatic Voltage Stabilizer

# Vinitec ELECTRONIC LABORATORY

## Servo voltage Stabilizer

VINITEC has designed various type of voltage stabilizers to overcome the problem of voltage fluctuations effectively, Servo stabilizers are one of the best type of stabilizers and are used for dedicated electrical and electronic equipments, where the load needs a substantially constant voltage with close tolerance without introducing harmonic distortion.

## Field Of Application

- \* Computer/CNC Machine
- \* Lifts
- \* Printing Presses
- \* Electro Medical Equipment
- \* Oxygen Plant for Medical Use
- \* Plastic Molding Machinery
- \* Signaling / Telecom Equipment
- \* Scientific Equipment
- \* Air Conditioning Plant

## Unbalanced Type 3 Phase Stabilizer

This type of stabilizer is more versatile and is the most commonly use with three phase machines/loads. This basically consists of 3 single phase units of 1/3rd capacity each, connected in 'STAR' as per IS 9815 In this type, the output voltage on all three phases are equal even if the input voltage and the loads connected on the three phases are entirely different ( unbalanced ) . This uses 3 Nos. motor along with 3 Nos. variac.

## Technical Specification

<b>Rating</b>	( 3 KVA To 3000 KVA 3 Phase ) & ( Single Phase up to 500 KVA )
<b>Input Voltage Range</b>	300 V - 480 V (Other range 200 V - 480 V / 200 V – 500 V / 150 V – 460 V ) or as per customer requirement
<b>Output Voltage</b>	Standard 400V/415V $\pm$ 1%. or as per customer requirement
<b>Correction of Speed</b>	8 V to 70 V per sec. (Depend on Input Voltage range & Capacity)
<b>Correction Method</b>	Step - Less Auto Variable Transformer / Roller Contact type
<b>Cooling</b>	Natural Air Cooled / Oil Cooled
<b>Efficiency</b>	97 % to 99 % (Depend on Input Voltage range & capacity)
<b>Type &amp; Suitability</b>	Unbalance Supply and Unbalance Load
<b>No load loss</b>	Less than 0.4%

## Optional Features & Protection as per customer requirement:

- \* Over load and short circuit protection
- \* Low / High voltage cut-off
- \* Single phase prevention/reverse phase
- \* Stabilizer By Pass System
- \* Earth fault protection
- \* Mobile Based Remote control Monitoring
- \* Spike and surge protection
- \* Auto Phase Correction in case of Phase Reversal

## Automatic Voltage Stabilizer

### Technical Specification

<b>Rating</b>	0.5 KVA/ 1 KVA/ 2KVA / 3KVA / 4KVA / 5KVA to 30 KVA Single Phase
<b>Input Voltage Range</b>	90V – 280 V / 120 V – 280 V / 140 V – 280 V / 170 V -270 V or Custom built
<b>Output Voltage</b>	220 $\pm$ 10% Volts (Standard) or as per Customer requirement
<b>Over Load Capability</b>	Up to 150% momentarily
<b>Duty Cycle</b>	Continuous 24 x 7
<b>Wave from Distortion</b>	Nil.
<b>Response Time</b>	Less than 10 m s.
<b>Suitability</b>	Suitable for all power factor load
<b>Optional Features and Protections</b>	Low / High Voltage ( Out of input range) Cut off, Overload and short circuit Protection , Timer.

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## ELECTRONIC LABORATORY

(An ISO 9001: 2015 Certified Company)

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