



Product Range

- Servo Voltage Stabilizers**
- Ultra Isolation Transformers**
- Static Voltage Stabilizers**

SERVO CONTROL AIR COOLED VOLTAGE STABILIZER (UP TO 150 kva)

Super Serve is one of the leading player of servo controlled voltage stabilizers. This equipment is used to obtain a steady three phase AC supply within very close tolerances to a fluctuating mains. This equipment finds application in Dairy industry, Chemical, Process Industry, Research Establishment and Hospitality industry etc.



PROTECTION

- Over Voltage Protection
- Under Voltage Protection
- Single Phasing Preventer
- Phase Reversal Preventer
- Short Circuit Protection

CONTROL SYSTEM

Plug in type Micro processor based control card for high reliability, accuracy & easy maintenance.

MS ENCLOSURE

Spacious pipe structure design duly powder coated for easy maintenance with wheels for smooth movement.

DISPLAY & INDICATION

VIF Indicator : This digital display gives the information of voltage, current and frequency of the all phase for both input and output.

Trip Indication : Trip indication for individual phases for both undervoltage and over voltage condition.

In Low or In High Voltage : Mains incoming indicator Neon lamp for all phase.

Error Loggings : Fault + Error Log with Time & Date.

TECHNICAL SPECIFICATION :

1.	Input Voltage Range 3-phase	: 360-460-, 340-480, 300-500 v (Or as per customer specification)
2.	Input Voltage Range 1-phase	: 160-270, 180-280, 130-260 v
3.	Output Voltage Range 3-phase	: 415, 400, 380 v
4.	Output Voltage Range 1-phase	: 240, 230, 220 v
5.	System Construction	: Unbalanced Type
6.	Output Voltage Regulation	: +/- 1%
7.	Overload Capacity	: 120 %
8.	Correction Speed	: 35 v/sec, 70 v/sec, 110 v/sec (optional with D.C. motor)
9.	Wave Form Distortion	: Nil
10.	Output Wave Form	: True reproduction of input
11.	Cooling	: air-cooled up to 125 kva
12.	Modes Of System	: Both auto or manual
13.	System Construction	: as per IS 9815-1994

PROTECTION

- ◆ Over Voltage Protection
- ◆ Under Voltage Protection
- ◆ Single Phasing Preventer
- ◆ Phase Reversal Preventer
- ◆ Short Circuit Protection

CONTROL SYSTEM

Plug in type Micro processor based control card for high reliability, accuracy & easy maintenance.

MS ENCLOSURE

Spacious pipe structure design duly powder coated for easy maintenance with wheels for smooth movement.

DISPLAY & INDICATION

VIF Indicator : This digital display gives the information of voltage, current and frequency of the all phase for both input and output.

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TECHNICAL SPECIFICATION :

PARAMETERS	SPECIFICATION	PARAMETERS	SPECIFICATION
Rating Phase Control Type Input Voltage Range Output Voltage Voltage Regulation Efficiency Input Frequency Wave Form Effect of Power factor Display Rate of Correction Control System	10 KVA TO 300 KVA 3 PHASE High Frequency 20 KHz IGBT driven Voltage Regulator/Convertor 340 – 480 v (Regular range) can be customized as per requirement) 400 V AC +/- 1% at Full Load >97 % 50Hz +/- 6 % Sine wave Nil LCD type 4000 V / sec Microprocessor based LCD type display Control system with following features 1) Plug In type Control system for easy maintenance 2) STOP KEY : TO SWITCH OFF O/P LOAD TO EDIT SELECTED DIGIT 3) START KEY : TO SWITCH ON O/P LOAD TO SELECT THE DIGIT 4) MENU KEY : TO VIEW PARAMETERS/ SETTINGS 5) LOG KEY : TO VIEW ERROR LOG FOR CALIBRATION PURPOSE	PARAMETERS LIST Correction Time Operating Temperature Duty Cycle Nature of Cooling Protections Trip & Restart MCCB Powder Coating Color Termination Earthing Indications IP Rating Movement Cable Gland	1) OUTPUT VOLTAGE (L-L & L-N) 2) INPUT VOLTAGE (L-L & L-N) 3) LOAD CURRENT (R-Y-B) 4) FREQUENCY 5) DATE 6) TIME 7) SYSTEM STATUS 20 millisecond 0°C to 55°C 100 % Continues Forced Air Cooled <ul style="list-style-type: none"> • Over voltage Protection • Under Voltage Protection • short-circuit Protection (Through MCCB at Input side) • Single Phasing Preventer • Phase Reversal Preventer (all protections are with 5- 60 sec time delay) <ul style="list-style-type: none"> • Surge protection device (SPD) Yes. Available 250 Amp MCCB of suitable Rating of 10kA at Input Side RAL 7032 Input & Output Termination Busbars Earthing bolt will be provided <ul style="list-style-type: none"> • Input Normal LED • Output Normal LED • Phase Reverse LED • Overload LED IP 20 Wheels are provided for smooth movement Individual cable gland provided for Input & Output cable Entry

SERVO CONTROL OIL COOLED VOLTAGE STABILIZER (UP TO 2000 kva)

Super Serve is one of the leading player of servo controlled voltage stabilizers. This equipment is used to obtain a steady three phase AC supply within very close tolerances to a fluctuating mains. This equipment finds application in Dairy industry, Chemical, Process Industry, Research Establishment and Hospitality industry etc.



PROTECTION

- Over Voltage Protection
- Under Voltage Protection
- Single Phasing Preventer
- Phase Reversal Preventer
- Short Circuit Protection

CONTROL SYSTEM

Plug in type Micro processor based control card for high reliability, accuracy & easy maintenance.

MS ENCLOSURE

Spacious pipe structure design duly powder coated for easy maintenance with wheels for smooth movement.

DISPLAY & INDICATION

VIF Indicator : This digital display gives the information of voltage, current and frequency of the all phase for both input and output.

Trip Indication : Trip indication for individual phases for both undervoltage and over voltage condition.

In Low or In High Voltage : Mains incoming indicator Neon lamp for all phase.

Error Loggings : Fault + Error Log with Time & Date.

TECHNICAL SPECIFICATION :

1. Input Voltage Range 3-phase	: 360-460-, 340-480, 300-500 v (Or as per customer specification)
2. Input Voltage Range 1-phase	: 160-270, 180-280, 130-260 v
3. Output Voltage Range 3-phase	: 415, 400, 380 v
4. Output Voltage Range 1-phase	: 240, 230, 220 v
5. System Construction	: Unbalanced Type
6. Output Voltage Regulation	: +/- 1%
7. Overload Capacity	: 120 %
8. Correction Speed	: 35 v/sec, 70 v/sec, 110 v/sec (optional with D.C. motor)
9. Wave Form Distortion	: Nil
10. Output Wave Form	: True reproduction of input
11. Cooling	: Natural air-cooled up to 125 kva
12. Modes Of System	: Both auto or manual
13. System Construction	: as per IS 9815-1994

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