



Miracle Power

Servo Controlled Voltage Stabilizer 3 PHASE OIL COOLED TYPE 50kVA to 1000kVA

Frequent fluctuations or variation of power not only causes financial loss but man power loss too!

SERVO CONTROLLED VOLTAGE STABILIZERS

beats these happenings and provides all extra care needed to your valuable equipments.

For

Textile Machines | CNC Machines | Banking | Medical & Motor Loads | Lifts and Elevators
Packaging Machines | Bio Medical Equipments | Colour Lab Equipments
Photo Copying Machines | Printers & Plotters | Embroidery Machines
Ultra Sonic Sonography Machines | ATM Centers

The Significant voltage fluctuations that occur on the electrical network simulates the premature ageing of the critical machines and even damages them in most cases.

The solution to this type of problem is the use of voltage stabilizers which guarantee that the connected loads will always operate within safe limits that will not damage them and the regulated voltage enables the machines to operate at a better efficiency thereby avoiding energy loss.

Servo Stabilizer with Advanced Micro Controller System:

Advanced Micro Controllers today, the base for the new generation power conducting devices, provides a highly precise correction and regulation with auto calibration feature. Its instant response and smooth drive outputs enhances the performance of the entire correction system.

Miracle Stabilizer's unique single screen and key pad enables the user to grasp faster, the input and output status of all the phases and to read input & output voltage, current and frequency within seconds.

Salient Features

- Excellent regulation as high as +_ 0.5%
- Full proof OV, UV & Over load Cut-off System
- Flush mounting of variac ensuring zero carbon deposit & optimum brush tension
- Micro Controller circuit ensures constant output voltage even with distorted Input
- High accuracy Class 1 LCD VAF Meter
- Auto/Manual Facility Provided
- Rugged and smooth voltage control
- Quickest response time 10ms (Half a Cycle)
- High speed of voltage correction with zero hunting
- Unaffected by load power factor
- Efficiency above 98%
- Smart time delay for Cut-off
- No noise or transient generated by the system due to isolated servo drive
- Time delay for Auto restart programmable.
- User friendly front panel
- Small & Compact in Size
- Easy Maintenance
- Energy Saving
- Phase reversal protection programmable
- Dual protection for single phasing
- Zero wave from distortion

Control Voltage
High Efficiency
Highest Reliability
Auto Manual facility

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TECHNICAL SPECIFICATIONS

1. Nominal Output Voltage	: 415 V internally settable to 380 V or 400 V
2. Input Voltage range at	: 415 V output voltage
Model A	: 300 - 480 volts
Model B	: 340 - 480 volts
Model C	: 360 - 460 volts
3. Input Frequency Range	: 47 - 53 Hz
4. Type of Stabilizer	: Suitable for unbalanced loads and input voltages
5. Output voltage regulation	: + - 1% of nominal output voltage
6. Average correction rate	: 70 V / Sec (L-L) Optionally 105 V / 110 V / Sec
7. Servo Motor Drive	: A.C. synchronous stepper motor
8. Efficiency	: Greater than 98%
9. Metering	: LCD Digital Meter (I/p & O/p Voltage, Amps & Freq)
10. Accuracy of LCD voltmeter	: Class 1.0
11. Electronic under/over voltage cut off	
Over Voltage	: 20+ 4 V above nominal
Under Voltage	: 40+ 4 V above nominal
Overload	: Operative above 110% of the rated output current with graded time delay
12. Single phasing prevention	: By each phase voltage sensing and trip through contactor
13. Short circuit protection	: MCB at input side
14. Phase reversal protection	: Phase reversal protection provided
15. Stabilizer By-pass Switch	: Provided as a standard feature upto 50kVA (Optional above 50 kVA)
16. Fault annunciation panel	
Non latching LCD indications	
Operate	: Input present (For each phase) : Out put normal (For each phase)
Caution	: Input High (For each phase) : Input low (For each phase)
Latching LCD Indications	
Cut off	: Output high : Output low : Output overload : Phase reversal
17. Resetting mode	: Automatic restart with option for manual restart
18. Output ON Time delay	: Standard 15 second (Internal settable 3 minutes)
19. Response Time	: Less than 10ms.
20. Normal Operating Temperature	: 0°C to 45°C
21. Climatic Conditions	: 90% RH. Max. Non-condensing at 35°C
22. Warranty	: 1 Year
23. Housing	: Rack with pleasing aesthetics and castor wheels designed to protect against ingress of foreign particles.
24. System construction	: As per IS : 9815 Part II
25. Input/Output terminations	: 8 way terminal connector for cable terminations and plates for fixing cable glands.
26. Installation Requirements	: I/p & O/p cables and other accessories to be provided by the customer
27. Ratings	: Upto 200kVA in Oil Cooled offered

* Subject to change any specification without prior notice.

For more product information please contact us:



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Front Panel Display



Aircooled Series

- For unbalanced / balanced input voltage and load conditions.
- For residential single phase loads distributed over three phases.
- For lighting loads to keep optimum brightness with reduced voltage saving upto 35% is possible.

Other Product Range

- Servo Controlled Voltage Stabilizers (SCVS)
- Uninterrupted Power Supply (UPS)
- Solar UPS/Inverters
- Power Saver (Domestic purpose)
- Isolation / Ultra Isolation Transformer
- Batteries - SMF & Tubular Type
- After Sales Support / AMC