



ISO 9001-2015
Certified Company



PUREVOLT™

SERVO CONTROLLED AUTOMATIC VOLTAGE STABILIZER



Ratings Available : 1.0 KVA to 2000 KVA



Freedom from Voltage Fluctuations

About us

PUREVOLT is an ISO 9001 –2015 Certified Organization, Also registered with MSME, NSIC, D&B and Export Promotion councils like EEPIC India, FIEO, FICCI etc, having Experience of over 2 Decade's in Manufacturing and Exports of Industrial Servo Voltage Stabilizers, Automatic Voltage Controllers, Sine Wave / Solar Inverters, Variable Auto Transformers (Variac), Constant Voltage Transformers and Isolation Transformers.

PUREVOLT is now a renowned and recognized player in India and Abroad. We regularly exports to Australia, USA, South Africa, Peru, Boston, Nigeria, Tanzania, Abu Dhabi, Sharjah, Bangladesh, Dubai, Saudi Arabia, Bahrain, Dubai, Nepal, Bhutan, Zimbabwe, Ghana, Iraq, Oman, Kuwait, Sri Lanka, Fiji Island, Malawi, Mauritius, Palestine, Panama, Miami, Mozambique etc. Most of our clients are repeated customers because of the quality and performance of our Products.



Why you need a Servo Voltage Stabilizer?

It is seen that In spite of best efforts by various Electricity Boards the voltage at consumer's end is never constant. As a result of these never ending voltage fluctuations there is frequent Tripping / Breakdown of the machines and precious equipment's resulting into low production.

The Main aim of the Servo Voltage Stabilizer is to continuously monitor the incoming voltage variations and maintain the required output voltage at all times by doing voltage corrections as and when required.

Our voltage regulator allows the elimination of overvoltage and voltage drop phenomena in an electrical network, thus allowing the electrical system to be free of faults and provides desired output voltages.

How does this Servo Voltage Stabilizer Operates?

PUREVOLT's Servo Voltage Stabilizer's essentially employs a Solid-State circuit, which controls the Servo Motor. The motor is mechanically coupled to the arm of a continuously variable Auto Transformer (Variac) that feeds to the primary of a series control Buck-Boost transformer. The stabilizer output voltage is compared with the reference voltage and the resultant error signal controls the Servo Motor providing true proportional control systems rather than On/off circuits.

Fields of Applications:

The PUREVOLT product line covers a wide range of sectors, from industrial equipment of high amperage and capacity to commercial appliances with lower consumption.

- Industry and Commerce
- Educational Services
- Medical and Hospital Services
- CNCs / Imported Machinery
- Telecommunications Services
- Processing Industries
- Textile Machinery, Printing
- Commercial Establishments



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SALIENT FEATURES

- Fully Solid State Control Circuit for High Reliability.
- Synchronous Motor Drive for high performance.
- Excellent Regulations of $\pm 1\%$
- Zero Wave form Distortion
- Plug & Play Type Control PCB's for easy maintenance.
- Auto - Manual Operation Facility.
- High Efficiency.
- Over - Under Voltage Protection
- Voltmeters to read Input / Output voltages.
- Cyclic and Routine Tests conducted on every unit.

OPTIONAL FEATURES

- Outdoor Type (IP 55) Enclosure can be supplied.
- 110 V Output can also be supplied.
- Spike's and Surge Protection using suitable SPD's.
- Special Input/Output ranges available on request.
- Under /Over Voltage Cutoff Protection through Contactor's.
- Overload / Short Circuit protection through MCB / MCCB's.
- Single Phase / Phase Reversal Prevention.
- Manual By-Pass / Changeover Facility.



(IP-55-OUTDOOR TYPE)

Advantages / Characteristics :

Permanent and safe operation of all equipment / machineries connected to Servo Voltage Stabilizers.

Voltage Fluctuations will not affect your system and it will lead to reduction of Breakdown / failures in plant.

Improvement in overall Power Factor and thereby savings on electricity bills.

The regulation is automatic and continuous, with fast correction speed.

The regulator holds the voltage independently of the load, frequency or power factor.

The cost of the system is minimal compared to the cost of the equipment and machinery that it can protect.

Regulators withstand loads up to 3 – 4 times its rated capacity for few seconds, as it is necessary to start motors and other equipment.

Equipment with minimum wear and maintenance.

Customized solutions can be designed as per customer requirements.

Freedom from Voltage Fluctuations

Servo Voltage Stabiliser



GENERAL TECHNICAL SPECIFICATION :

Characteristics	Single Phase	Three Phase (Unbalanced/Balanced Type)
Input Voltage	200 - 280 V AC 170 - 270 V AC 140 - 280 V AC 110 - 280 V AC	340 - 480 V AC 300 - 460 V AC 240 - 480 V AC 190 - 480 V AC
Output Voltage	230 V \pm 1 %	400 V \pm 1 %
Output Adjustable	220 - 240 V AC	380 - 415 V AC
Connections	Star / Star	
Frequency	47 - 53 Hz	
System Design	As per IS : 9815 : 1994	
Insulation	Class B	
Wave from Distortion	None	
Effect of Load Power Factor	Nil	
Type of Cooling	Air / Oil Cooled	
Speed of Correction	>than 20 V / Sec. or as per IS : 9815-1994	
Efficiency	>than 95% or as per IS : 9815-1994	
Regulation	\pm 1.0% from No Load to full load	
Ambient Temperature	0° to 55° C	
Environment	Designed for indoor continuous operation	
Rating Available	1 KVA to 2000 KVA	



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Think Whats Behind your Power Stability