

Servel Servo Controlled Voltage Stabilizer



Provides:

- Precise Voltage Control
- Protection
- Longer Life
- Power Saving



The Servel Group

New Delhi based, it is engaged in design, development, manufacture and marketing of sophisticated electronic equipment / systems and special transformers for Consumer, Industry, Defence, Computer, Telecom and other applications.

All its companies are ISO 9002, BVQI certified.

It has two manufacturing and one marketing establishments. The workforce of over 150 includes 30 engineers and other highly skilled personnel in Production, Marketing, After Sales Service and Quality Assurance.

It is team spirit that propels the SERVEL Group forward. The common goal of unrelenting commitment to Quality and Perfection is the Group's driving force. And it is the commitment which has enabled SERVEL to attract some of the finest professionals from the country's most reputed institutions

The spirit of working with a united will governs every action of the group and has inspired the concept of leadership in harmony at SERVEL.

SERVO CONTROLLED AUTOMATIC VOLTAGE STABILIZERS

Specifications

Capacity -

- 1 KVA to 200 KVA (single phase)
- 5 KVA to 1000 KVA (three phase)

Input voltage range

- 180-270V, 160-270V, 140-270V (single phase)
- 340-460V, 300-460V, 280-460V, 260-460V (three phase)
- or as desired

Output voltage

- 230V \pm 1% (single phase)
- 400V \pm 1% (three phase)
- or as desired

Cooling	-	Natural Air/Oil cooled
Acceptable Frequency	-	47-53 Hz
Correction Speed	-	10-35V per second
Response Time	-	< 10ms
Waveform Distortion	-	None added by the equipment
Duty Cycle	-	Continuous
Power Factor	-	Suitable for all power factor loads

Optional facility

- Overload protection
- Low/High voltage cut-off
- Single phase prevention
- Bye-pass arrangement
- Surge Suppressor



TYPE SE - 15-1

Single Phase Servo-Controlled Voltage Stabilizer. Suitable for use with single phase equipment.



TYPE SE - 15-3U

Three-phase Servo-Controlled Voltage Stabilizer. Recommended for use with unbalanced input supply voltage and/or unbalanced loads.

It consists of three single phase units connected in star. Each unit has a motorized single phase variac and a series transformer. Voltage of each phase is independently sensed and corrected to the desired value.

These units are, therefore, suitable for use with unbalanced input supply voltages and unbalanced loads.



TYPE SE - 15-3B

Three-phase Servo-Controlled Voltage Stabilizer. Recommended for use where 3-phase input supply and load are balanced i.e. all line voltages and current are same.

This regulator employs a three phase variable transformer (3 nos. of single phase variable transformers mechanically coupled) driven by a single servo motor and three-phase series transformer. The output voltage between 'R&Y' phase is sensed and all the three phase output are corrected accordingly. These units are, therefore, suitable only for use with balanced 3-phase mains supply. If balanced mains supply cannot be ensured, TYPE SE - 15-3U should be used.



Note: Servo-Controlled Voltage Stabilizer with Isolation Transformer also manufactured against specific requirement.

Benefits:

- Reduces / eliminates failure rate of electrical appliances.
- Increased productivity
- Reduction in power consumption and provide saving of power.
- Reduces wastage of goods in process industry.
- Depreciation from Income Tax in the first year of purchase.

Applications:

- CNC based machines
- Chemical / Oil Industry
- Information Technology Industry
- Medical Equipment
- Communication & Broadcasting System
- Airconditioning Plant
- Textile Industry
- Cement Plant
- Rolling Steel Mill
- Rubber / Shoe Industry
- Food processing Industry
- Printing and Packaging Industry
- Commercial Building / Complex
- Industrial/Residential Mainline

Some of our Reputed Customers

Apart from the strategic Defence & Export sectors, SERVEL's clientele includes premier institutions such as Whirlpool, Philips, Siemens, AIIIMS, the hotel industry, leading hospitals, the computer industry and colour picture tube companies. Some of our esteemed customers are:

- Indian Air Force
- DRDO, Ministry of Defence
- Philips India Ltd.
- Hotel Le Meridien
- Kelvinator India Ltd.
- Oberoi Group of Hotels
- Hotel Hyatt Regency
- JCT Electronics
- Hotline Group of Companies
- Samtel Group of Companies
- Hotel Maurya Sheraton
- Airports Authority of India
- Australian High Commission
- Escort Heart Research Institute
- All India Institute of Medical Sciences
- Austrian Embassy
- Batra Hospital
- INMAS
- British High Commission
- German Embassy
- Tata Group of Companies
- Public Sector Undertakings
- HCL-Hewlett Packard
- Indian Institute of Technology
- Delhi Institute of Technology
- Canadian High Commission
- Indian National Science Academy
- LG Electronics
- Bharti Group
- Siemens
- Whirlpool



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