



A SIGN OF QUALITY PRODUCT

SERVO VOLTAGE STABILIZERS OMEGA TYPE SVS ALL

OMEGA TYPE-SVS Servo Voltage Stabilizers are designed to provide centralized voltage control. Application of correct voltage to any equipment or system is important from the consideration of getting the optimum efficiency from it. Both high and low voltage is detrimental to the life and/or the effectiveness of equipment, resulting in economic loss. Based on the principle of Servomechanism, these stabilizers correct the output Voltage instantaneously upto $\pm 1\%$ accuracies. They are economical and accurate in operation, simple in design and require least maintenance.

DESCRIPTION

OMEGA TYPE SVS Automatic stabilizers are being manufactured in various models. All of them essentially consist of :

- 01 A Dimmerstat (Toroidal Auto transformer).
- 02 A series control transformer.
- 03 A low inertia stepper synchronous motor (servo motor) with special damping circuit.
- 04 A solid state control unit without any relays monitors the output voltage and control the supply to the stepping motor which is mechanically coupled to the dimerstat brush arm.

SPECIFICATIONS OF STANDARD MODELS

- 01 INPUT VOLTAGE : 160V to 260V
- 02 OUTPUT VOLTAGE : $230 \pm 1\%$
- 03 Confirming to IS - 9815

STANDARD CAPACITIES (IN KVA)

CAPACITY	OMEGA TYPE
01 KVA	TYPE SVS-1
02 KVA	TYPE SVS-2
03 KVA	TYPE SVS-3
04 KVA	TYPE SVS-4
05 KVA	TYPE SVS-5
06 KVA	TYPE SVS-6



SPECIALITIES

TYPE SVS stabilizers, have following specialities :

- 01 A voltmeter to indicate both input & output voltage.
- 02 Automatic/Manual operation. This enables the user to set the unit in manual mode when desired and to obtain a breakless supply even while replacing the control unit.
- 03 Output voltage settability.
- 04 Indicating Lamps to show that the input voltage is beyond the range of correction for the unit.
- 05 Sensitivity adjustment.
- 06 Easy servicing facilities as all the power and control terminals as well as components are easily accessible.

OTHER APPARATUS REQUIRED:

- 01 The stabilizer can be supplied with a facility to safeguard the connected load from very high voltage at the instant of switching on the unit. This ensures that the output voltage is minimum (maximum bucked) when the unit is switched on and then rises to the set value. This facility is provided as an additional accessory at an extra cost.
- 02 Over load protection to switch off the unit when the load current remains at a value higher than rated current.
- 03 Three phase units suitable for 3 wire system where neutral wire is not available.
- 04 Over voltage protection.
- 05 Under voltage protection.
- 06 Built in surge suppressor.

APPLICATIONS

- 01 Computers.
- 02 Communication devices.
- 03 Sophisticated medical equipments.
- 04 Production & Process control equipments.
- 05 Lifts and elevators.
- 06 Air conditioning plants etc.
- 07 Strongly supported by detailed operating instructions.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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