

Servo Controlled Voltage Stabilizers

AIR COOLED: UPTO 50KVA
OIL COOLED 15 – 3500 KVA



DOELIN[®]

Exceeding Expectations



AC mains voltage fluctuations are a common phenomenon in power supply system. Such fluctuations may result into erratic behavior, malfunction or even break down leading to expensive repairs, production loss and missed commitments. These Voltage Stabilizers are designed to ensure that their output voltage remain constant irrespective of the voltage swings in the incoming power supply. Their high efficiency and the ability to withstand instant load variations make them an ideal choice for protection of expensive and sensitive equipment.

DOELIN specializes in Designing, Manufacturing and Supplying high quality automatic voltage stabilizers to meet the requirement of different industries as well as residential units. **DOELIN** Servo Controlled Voltage Stabilizers are designed & manufactured as per industrial standards. They have been ruggedly built and are sleek in looks. They are mounted in adequately ventilated sheet metal, powder coated cabinets, and sprayed internally with lacquer paints. They are highly reliable products, based on advanced Micro-Controller Technology. LCD and Soft Keys form an user-friendly interface for installing and ease of programming. Display shows all important parameters such as Input-Output voltage, Load Current and System Faults. Triac ensures fast correction ratio against quick voltage fluctuation and ensures trouble free high precision operation for powering Sophisticated Electrical & Electronic Equipments. The best part is that in the entire operation, the Voltage Stabilizer doesn't require any manual interruption.

Features & Benefits

- Parameter Setting through front Keypad and Display
- True RMS Sensing- Input / Output Voltage Display
- Load Current Display
- Display of Fault Occurrences
- Does not need any manual adjustments
- Settable Input Voltage Band
- Settable Output Voltage
- Input and Output Over/Under Voltage Cut-Off
- Overload Cut-Off
- Adjustable Trip Time Delay
- Manual and Auto Start Facility
- Available in Outdoor and Indoor Models

Technical Specifications

Capacity	1 KVA - 3500 KVA
Input *	Three Phase: A) 300V-470V B) 350V-470 V, Single Phase: 170V-270V, 47-53 Hz
Output Voltage	Three Phase 380/400/415V +/- 2% , Single Phase: 230V +/- 1%
Control Type	Digital-Micro controller based solid state
Correction Speed	35 V/Sec for Single Phase & 60 V/Sec for Three Phase
Reset	Manual / Auto reset with time delay and programmable
Protections	<p>A) Electronic over & under voltage trip with time delay for input & output</p> <p>B) Electronic overload and short circuit protection. MCB or MCCB at the Input.</p> <p>C) Surge Arrester/RF suppressor (OPTIONAL)</p> <p>D) Phase reversal protection and cut off</p> <p>E) Single phase prevention and cut off</p>
Metering Digital Type	A) Input phase to neutral & phase to phase
(Class 1 Accuracy with Full Scale ± 1)	B) Output phase to neutral & phase to phase
	C) Load Current in all the phases
Audio Alarm	For tripping conditions
Nature of Cooling	Natural air cooled upto 50 KVA & Forced air cooled above 50 KVA
Effect of Power Factor	Nil
Waveform Distortion	Nil
LED Indication	For fault conditions
Efficiency	> 98%
Cabinet Colour	Turquoise Blue
Provision of Cabling	Input and output terminations with provisions for fixing cable glands
Servo Motor Drive	Rugged AC step synchronous motor
Operating Temperature	0-45° C
*Range can be customised	All specifications are subject to change
	Custom models available