



for your better tomorrow save energy....

Hindustan ***STABILIZERS***

THE ULTIMATE STABLISING TARGET.....

Hindustan STABILIZERS

Hindustan Stabilizers is one of the leading Indian companies in the manufacture and supply of a full range of power conditioning & power back-up products, services and solutions.

India's Most Comprehensive Power Electronics Product Range

- AVR
- SERVO VOLTAGE STABILIZERS
- DIGITAL VOLTAGE STABILIZER
- STEP UP/ STEP DOWN TRANSFORMERS
- ULTRA ISOLATION/ISOLATION TRANSFORMERS
- DISTRIBUTION AND POWER TRANSFORMERS
- SPECIALLY DESIGNED TRANSFORMERS
- CONTROL TRANSFORMERS
- C.V.T.
- U.P.S.

We are a team of highly skilled engineers engaged in manufacturing & Developing Customized power Products for over 2 decades. One of the most important factors in our organization is experience and we are proud to say that our engineers have gained years of experience in power products of various capacities with standard specifications as per IS 9815. We can also design as per customer's specifications and requirements.

All equipments is stringently tested in our factory before leaving our factory premises and our products are warranted against any of the manufacturing defects.

The hope of getting a flawless supply is very remote in most of the developing countries and keeping this in view we wish to introduce ourselves as one of the reliable products manufacturing in the brand name "HINDUSTAN".

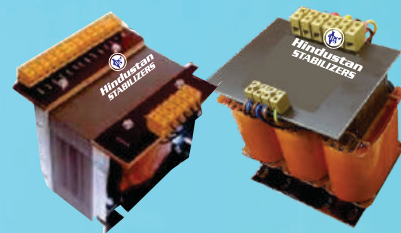
OUR QUALITY ASSURANCE

JAS-ANZ



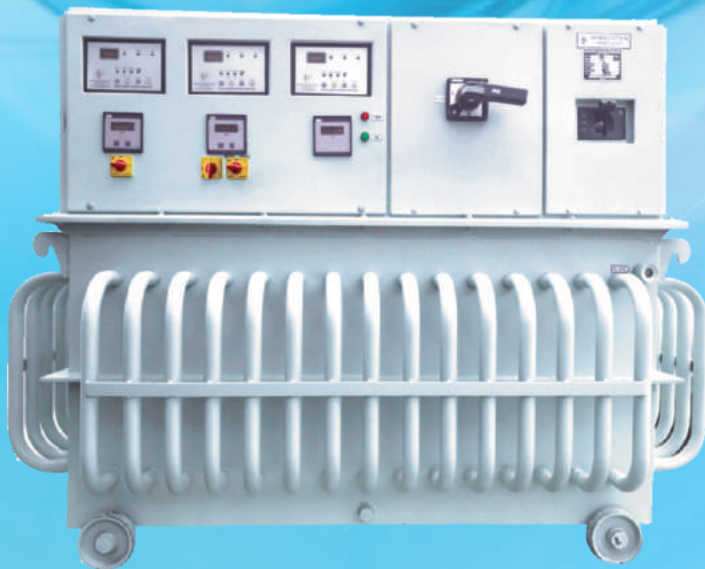
**ISO 9001 : 2008
CERTIFIED COMPANY**

We lay high emphasis on the quality of products we manufacture. Our stringent monitoring at every level ensures complete flawlessness in machines. From checking raw materials till the end products are finally manufactured, they pass through a streamlined quality control process. We continue to develop and improve our quality system, providing our customers a growing natural product range. Our company has been able to provide a unique level of service, supports and added value to buyers from a wide variety of business establishment as well as customers.



PROVIDING ACCURATE SOLUTION TO ELECTRONIC INDUSTRIES...

Hindustan STABILIZERS



The wider use of equipment with non linear absorption such as rectifiers, speed variators, drivers, switching power supply units has caused, besides traditional & well known voltage fluctuations, the spreading of a new insidious type of electrical fault: harmonic distortion. This fault "devices" traditional stabilizing systems that, in its presence, read wrong input voltage values. As a consequence a voltage is delivered with an efficient value that differs from the rated one, becoming greater as the harmonic distortion of the mains increases. The new lines of stabilizers are HINDUSTAN STABILIZERS technological and innovative answer to this problem, indicating the ultimate stabilizing target. Today electric facilities can be supplied with voltage stabilized to the rated value for which they have been designed even in the presence of strong harmonic distortion.

Companies products electric energy generate the correct voltage. However, failures on the line, atmospheric conditions continual load

variations and disturbances generated by the actual users make it impossible to guarantee every user a steady voltage within the tolerance bandwidth stipulated in the supply contract.

Very often the tolerance is insufficient for more sensitive facilities. Other times the mains voltage reaches level that exceed the foreseen rated value by 15.20 or even 25%. The voltage fluctuations are particularly treacherous interferences since they are not seen and can only be detected by using specific equipment. When such interferences are present, the electrical equipment seems to maintain correct operation but disguises serious problems that at times are beyond repair.

Even an ordinary light bulb, if over powered by 10% continuous to give light, by halves its operating life. The situation becomes much more serious in the case of voltage variations on more complicated equipment.

A computer may become damaged or make unexpected errors. A transmitter gives signal distortion and its components age more quickly. An "electrotechnical" device gives incorrect results, wastes expensive reagents & loses the samples to be analyzed.. A laser cutting machine undergoes changes in the "laser beam mode", resulting in cutting burrs or the shutting off of the beam. An electric drive causes undesired changes in the speed of the powered motor & damages to the data storage & power terminals.

PROVIDING ACCURATE SOLUTION TO ELECTRONIC INDUSTRIES...

SINGLE PHASE / THREE PHASE

DIGITAL SERVO VOLTAGE STABILIZERS

TECHNICAL SPECIFICATIONS

- Display : Digital
- Input Frequency : 47-53 Hz
- Output Regulation : $\pm 1\%$
- Response time : 10 ms
- Speed of Correction : 20 v/s - 40 v/s
- Output Waveform : True to Input
- Efficiency : More than 98%
- Ambient Temp Range : 50°C
- Duty Cycle : 100% Continuous
- Winding : 99.9% Electrolytic Grade Copper
- Lamination : CRGO
- Control Circuit : Digital Micro Processor Based Control Card
- Correction Method : Step-Less correction using Auto Variable Transformer
- No-Load Losses : Less than 1% over entire range
- Suitability : Suitable for 1 Phase 3 Phase unbalanced/balanced Supply & load
- Control Panel : Micro Processor based
 - Low/High input indicator
 - Output indicator
 - Output Voltage Adjustment
 - Auto/Manual Mode Selection
 - Manual Output Voltage Adjustment



APPLICATION

- Air Conditioning
- Medical Equipment
- Hotels, Schools, Lifts
- Information Technology
- Food Processing Industry
- Printing & Packaging Industries
- Commercial Building & Complexes
- All Electrical / Electronic Equipment
- CNC Machine, Plastic Molding Machine
- Chemical Plants, Cement Plants & Textile Units



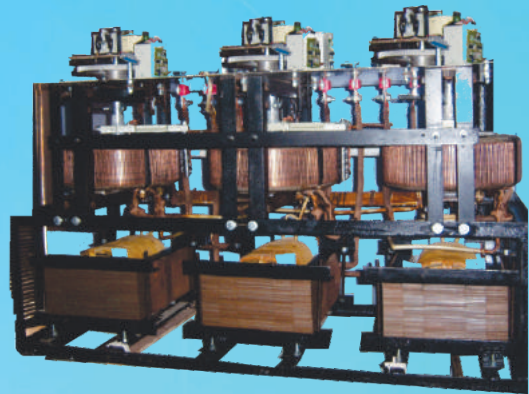
PROVIDING ACCURATE SOLUTION TO ELECTRONIC INDUSTRIES...

SERVO VOLTAGE STABILIZER

Servo Voltage Stabilizer uses an advance electronic controlled servo motor concept to govern a motorized variable transformer. Because of the motors involved, there is a small delay in voltage correction. However, output voltage accuracy is usually $\pm 1\%$ with input voltage changes of up to $\pm 50\%$. This type of technology tends to be extremely effective when considering large three phase applications, as it is able to maintain its accuracy of all these phases, despite of input voltages balance and load balance at any power factor.

WHY NEED OF SERVO VOLTAGE STABILIZER ?

Regular fluctuation in AC supply is a common phenomenon in whole country. The voltage requirement of different electrical appliances is vary to a great extent. The electronics equipment like spectrophotometer, PH-Meter, X-Ray plant, recorders etc. are all affected by high main voltage, whereas the refrigerators, deep freezers, incubators and other compressors etc. are affected by low main voltage. However in industries like Printing, Packaging and Manufacturing, etc. which are running 24 hours, also affected by this fluctuation of voltage? So to achieve constant voltage Supply Servo Voltage Stabilizers are used. Servo Voltage Stabilizers optimize the power protection & energy consumption.



ISOLATION TRANSFORMER

We are manufacturing wide range of Isolation Transformers. It consists of a double wound Transformer with Extremely low coupling capacitance to isolate the voltage spikes and noise from mains. The insulation resistance kept extremely high it is a must for use with modern sophisticated microprocessor based Instruments, PLC, Telemetry & Medical Instruments. Three phases Isolation Transformers are provided with Delta/Star connection to isolate problems arising from faulty Neutral. It is designed to have noise rejection up to 100 db. Isolation Transformers always manages Zero Volts between Earth & Neutral.



PROVIDING ACCURATE SOLUTION TO ELECTRONIC INDUSTRIES...



DIMENSIONS :

THREE PHASE SERVO VOLTAGE STABILIZERS

TYPE	FLOOR SPECIFICATION (L X W X H)	CAPACITY	TYPE OF COOLING	OIL
SVS 303 A	32"X15"X29"	10 KVA - 15 KVA	AIR	NA
SVS 303 B	32"X16"X30"	20 KVA - 40 KVA	AIR	NA
SVS 303 C	42"X18"X29"	45 KVA - 50 KVA	AIR	NA
SVS 303 D	42"X30"X42"	75 KVA - 100 KVA	AIR	NA
SVS 303 EO	35"X21"X24"	30 KVA - 45 KVA	OIL	140 Ltrs.
SVS 303 FO	40"X18"X36"	50 KVA - 55 KVA	OIL	210 Ltrs.
SVS 303 GO	42"X18"X36"	60 KVA - 75 KVA	OIL	220 Ltrs.
SVS 303 HO	61"X35"X42"	100 KVA - 150 KVA	OIL	340 Ltrs.
SVS 303 IO	73"X38"X43"	175 KVA - 225 KVA	OIL	500 Ltrs.
SVS 303 JO	73"X40"X45"	250 KVA - 350 KVA	OIL	630 Ltrs.
SVS 303 KO	73"X42"X45"	400 KVA - 450 KVA	OIL	750 Ltrs.
SVS 303 LO	76"X46"X62"	500 KVA - 650 KVA	OIL	1200 Ltrs.
SVS 303 MO	80"X50"X68"	700 KVA - 1200 KVA	OIL	1500 Ltrs.

THREE PHASE ISOLATION TRANSFORMER

IT 300 AA	20"X12"X20"	10 KVA - 15 KVA	AIR	NA
IT 300 BA	20"X15"X20"	20 KVA - 30 KVA	AIR	NA
IT 300 CA	30"X18"X30"	35 KVA - 40 KVA	AIR	NA
IT 300 DA	30"X24"X32"	45 KVA - 50 KVA	AIR	NA
IT 300 EO	28"X22"X42"	50 KVA - 60 KVA	OIL	200 Ltrs.
IT 300 FO	44"X38"X44"	75 KVA - 100 KVA	OIL	250 Ltrs.
IT 300 GO	48"X40"X46"	125 KVA - 150 KVA	OIL	350 Ltrs.
IT 300 HO	50"X46"X50"	175 KVA - 200 KVA	OIL	450 Ltrs.
IT 300 IO	54"X48"X50"	250 KVA - 400 KVA	OIL	650 Ltrs.



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AN ISO 9001-2008 CERTIFIED COMPANY

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