

**POWER LINE<sup>®</sup>**

सब की सुरक्षा एक साथ

# SERVO VOLTAGE STABILIZER



AN  
ISO 9001 : 2015  
CERTIFIED COMPANY

**Capacity :**  
**1 KVA To 3000 KVA**  
**(Single Phase & Three Phase)**



SERVO STABILIZER  
SINGLE PHASE  
1 KVA to 10 KVA  
(AIR COOLED)



SINGLE PHASE  
SERVO VOLTAGE STABILIZER  
15 KVA to 25 KVA  
(AIR COOLED)



THREE PHASE  
SERVO VOLTAGE STABILIZER  
6 KVA to 30 KVA  
(AIR COOLED)



THREE PHASE MANUAL  
VOLTAGE STABILIZER  
5 KVA to 500 KVA  
(OIL COOLED)

## Application :

- Offset Printing Machines
- Air-Conditioning Plants
- General Laboratory Equipments
- Signaling Radars
- Telecommunications
- Motors
- Domestic Loads
- Textile Industries
- Oil Industries
- C.N.C. Machines
- Medical Equipments
- Escalators and Elevators
- Industrial & Lighting Loads
- Hotels
- Cements Plants
- Pharmaceuticals Industries

## Special Features :

- Fully automatic solid state glass epoxy plug in control card.
- Very low internal impedance.
- No effect on load power factor
- High efficiency better than 95%
- High reliability servo motor
- Wide frequency range from 46 Hz to 55 Hz
- No effect by any transient over voltage surges
- Auto-Manual operation
- Voltage limit indicators
- Output Voltage adjustable Input/Output voltage monitoring
- Accuracy  $\pm 0.5\%$  to  $\pm 1\%$  from no load to full load
- Fast correction speed (10 volts to 20 volts per sec.)
- Surge rating 10 times the rated current up to 2 seconds 3 times up to 60 seconds twice up to five minute
- Environment : The quoted current rating apply to ambient temperature 15 o C to 45 o C
- Cooling Oil cool & Air cool
- 110 volts output can also be given

## Optional Features :

Under / Over voltage protection.

Over current protection.

Single phase preventer

Reserve phase sequence protection for three phase unit.

Earth fault protection.

## Specifications

	Single Phase	Three Phase
Capacity	1 KVA to 50 KVA	3 KVA to 2000 KVA In balanced and Unbalanced Type
Input Voltage Range	160 Volt - 280 Volt to 50 Volt - 280 Volt	280 Volt - 480 Volt to 87 Volt - 480 Volt
Output Voltage Range	230 Volt $\pm 1\%$ or as desired	400 Volt $\pm 1\%$ or as desired
Efficiency	Better Than 95%	

## Application :

Rice Mill  
Water Pump  
Krassar



SERVO STABILIZER  
SINGLE PHASE  
10 KVA to 50 KVA  
(OIL COOLED)



THREE PHASE  
22.5 KVA to 100 KVA  
(OIL COOLED)



THREE PHASE  
SERVO VOLTAGE STABILIZER  
125 KVA to 2000 KVA  
(OIL COOLED)



THREE PHASE  
LINEAR SERVO (ROLLER TYPE)  
VOLTAGE STABILIZER  
30 KVA to 3000 KVA and Above  
(OIL COOLED)

## ISOLATION



0.5KVA  
to  
500 KVA  
Single Phase / Three Phase



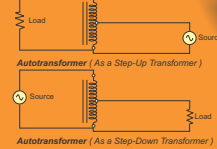
The salient features of our range include:

- High efficiency, high reliability and accuracy. Compact, rugged in construction, free standing, floor mounting model and housed in sturdy metal casing with sufficient ventilations.
- Double wound with copper conductor with low coupling capacitance to isolate the voltage spikes and noise from the mains.
- High insulation values.
- Suitable for use with modern sophisticated microprocessor based equipment, CNC machines, computers and other industrial processing.
- Supply and outgoing terminals brought out with proper brass bolts and double nuts and washers under sheet secured cover with proper marking.
- The main body of the equipment shall have double earth arrangement.
- To withstand the ambient temperature up to 55 centigrade and 95% humidity.
- Transformers shall be provided with rating plate giving the details.
- No spare required for 2 years of normal operation.

## STEP DOWN & STEP-UP TRANSFORMER



0.5KVA to 500 KVA  
Single Phase / Three Phase



### FEATURES

We are a leading company in India which designs and manufactures a range of step down transformers. These kinds of transformers are used for converting the electrical voltage level from one level to a lower level. We provide these transformers with high quality primary and secondary windings on the induction coils. We configure step down transformers using superior quality raw materials and assure them with industrial standard performance. Our clients can avail from us a comprehensive range of Step Down Transformers. These are manufactured at our advanced manufacturing unit. For instance, a step up transformer is needed to use a 220v product in a country with a 110v supply. Step Down Transformer is the opposite of step-up transformer, and used to run for example a 110v product in a country with a 220v mains supply.

## CVT



150 VA  
to  
10 KVA  
Single Phase / Three Phase



### KEY FEATURES

- High reliability as no semiconductors/moving parts used.
- Provide relatively sine wave output irrespective of quality of input wave shape.
- High insulation values.
- Instantaneous voltage regulation.
- Output highly isolated from mains for suppression of transients & spikes.
- Short-term over LOAD capacity.
- Intrinsic current limiting & short circuit protection.
- Higher input voltage control range for LOADS less than rated load.

### SPECIFICATION

Input Voltage	180-260, at rated load
Output Voltage	220/230V +/-1%
Frequency	50Hz +/-1%
Response Time	30 milliseconds
Efficiency	90% (app) under full load condition
Output wave form	Sinusoidal
Wave form distortion	less than 4% under full load condition.
Load Power Factor	0.75% lag to 0.9% lead
Ambient Temp.	-5 to 50 c
Effect of line frequency	1.5% (app) change in output voltage for every in line frequency

### RECOMMENDATIONS

- Place the CVT away from equipment and all magnetic display and storage devices like diskettes, monitors, tapes etc.
- It is safer to connect CVT to mains supply through a 3 Pin socket ensuring thereby the availability of proper 'Earth' connection.
- Switch ON the CVT first then the attached peripherals and while switching OFF, switch OFF attached peripherals first and then the CVT.
- In case of supply from a generator, check frequency, CVT is not be used if frequency variation is beyond 50 +/-1Hz.
- Switch OFF the CVT when not in use.
- Not to be used for high inductive LOADS like motors.



सब की सुरक्षा एक साथ

Dear Sir,

Power is like the naughty, Playful child, sometimes visible, sometimes invisible, playing hide and seek with us. So, what do you do, whom do rely on and how do you go about reigning it.

Allow us to introduce ourselves, We are "PowerLine" brainchild of visionary technocrat And an ISO 9001 : 2008 Certified, and a leading manufacturers of world class power conditioning equipment, fined tuned to extreme Indian conditions such as inconsistent voltage, moist humid /dusty environments and so on.

When it comes to our product portfolio, it comprises intelligent servo voltage Stabilizers, with Digital Technology, Automatic and manual Stabilizer, Variacs, Various Industrial & Isolation Transformers, Our Servo Voltage Stabilizers are created and tested in accordance with IS 9015-94 standards.

After all, for more than decade, "PowerLine" has been company to reckon with all over, creating unequalled products. This has been occurred due to combination of factors, chief among them the quality and reliability of our products, unconditional guarantee, user friendliness, sensible pricing, efficient services, wide national network, global presence, over 180,000 installations, capable and experienced team of engineers, reliable countrywide sales and support services and more important is to keep a pace with in international development in their field with constant up-gradation of technology.

Speaking of our clientele, they include such prestigious names as

Indian Oil, NTPC, Delhi Jal Board, AIR Doordarshan, EIL, HAL, BEL, Defense, RCIDMSRDO, Indian Railways, PHE (J & K Govt.) IIT Ltd., Mother Dairy, Ordinance factories, NFC, FCL, Various Ministers, Embassies, Times of India, Phoenix Group, Oswal Group, Onida, Shipra, Apollo Tyres, Escorts, Jindal, Texla, GD Phrma, Pataka Tea, Sahara India, Polaroid, Digitech (Nepal) School and Colleges, laboratories, Hospitals, Hotels among others.

IIT - Delhi

AIIMS - Delhi

IITG - Guwahati

SSPL ( A Defence Research and Development Organization )- Delhi

Jawaharlal Nehru Center for Advanced Scientific Research - Bangalore

University of Hyderabad - Hyderabad

NDTV - Delhi

SBI - Bihar & UP

JNU - Delhi

Aligarh Muslim University - Aligarh

Maruti Suzuki - Gurgaon

IMTC - Nepal

Canara Bank - Bihar

The Duncan Hospital - Bihar

Shipra Mahal - Ghaziabad

Ecstasy - Noida

Railway - Samastipur ( Bihar )

NIV Research Center - Gorakhpur

Bhusan Steel - Orisa

Taikisha Engg. Ltd - IMT Manesar

PHE - J & K Govt.

Jupiter Hotel - Manali

Central Bank of India - UP & Bihar

Benaan Biosphere - Nagaland

Gold Bland - Noida

Tarika Group - Delhi

Aafco - Dubai

TVS - Mujaffarpur

TATA - Jamshedpur

JK CEMENT - Rajasthan

RDS PROJECTS - Andaman & Nicobar

YAMUNA POWER - Keniya

LUXOR - Haridwar

PANASONIC - Gurgaon

FUJIFILM - Gurgaon

Bokaro Steel - Jharkhand

NCPL - Noida

Panecia Medical - Bangalore

We have decided to reach up to rural level and to expand we invite you to join as an exponential growth with good returns, that is ultimate common goal. Looking at you, an earliest forwarding.

Thanking you

Cordially,



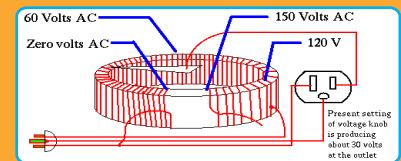
Wall Mounting Digital AC.  
3 KVA to 5 KVA  
140-280 Volt to 70 - 280 Volt



MAIN LINE & OTHER USE  
0.5 KVA to 10 KVA  
140-280 Volt to 70 - 280 Volt

### Usages :

- 0.5KVA - For Fridge or equivalent load.
- 1KVA - For Water cooler /cooler /1200Lt. fridge etc.
- 2KVA - For deep freezer or equivalent load.
- 3KVA - For .75 ton AC or any other machine of equivalent load.
- 4KVA - For 1.5 ton AC
- 5KVA - For 2 ton AC or for stabilizing the AC or Main of the house
- 7.5KVA - For split AC unit or equivalent load.
- 10KVA - 2 ton AC or equivalent load.



OIL COOLED VARIAC



THREE PHASE VARIAC



MOTORIZED VARIAC



INCLINE VARIAC

### Auto Variable Transformers

#### SALIENT FEATURES

- EXCELLENT REGULATION
- HIGH EFFICIENCY
- NO WAVE FORM DISTORTION
- LOW OPERATING TORQUE
- SMOOTH AND LINEAR OUTPUT
- LOW MAGNETIZING CURRENT
- NEGLECTIBLE MAINTENANCE AND TROUBLE FREE LONG LIFE

## Powerline Systems

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Mfg : Servo Voltage Stabilizer, Automatic Voltage Stabilizers, CVT, Step Down, Isolation, Variacs and Servo Motors

A LEGENDARY QUALITY