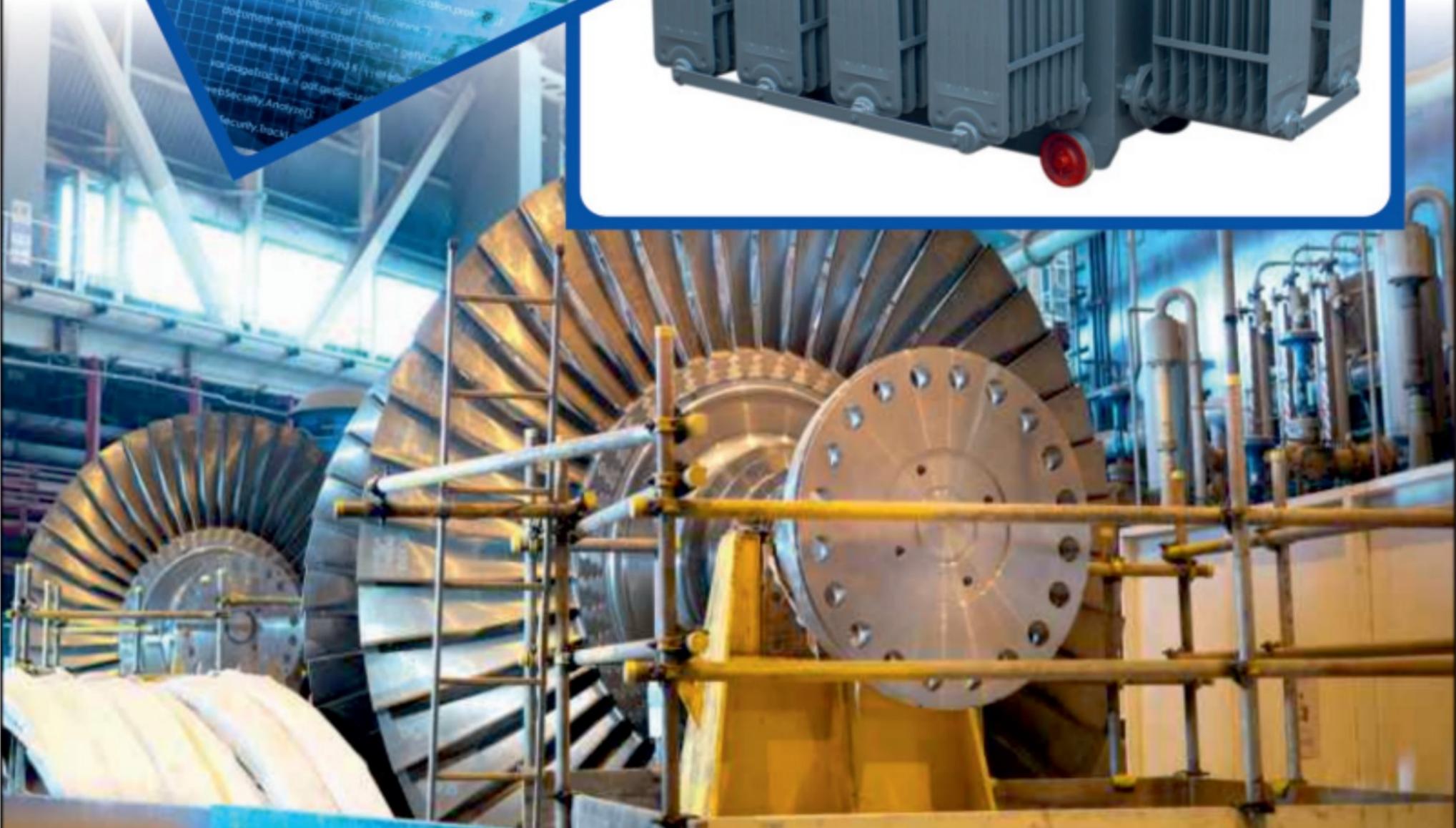
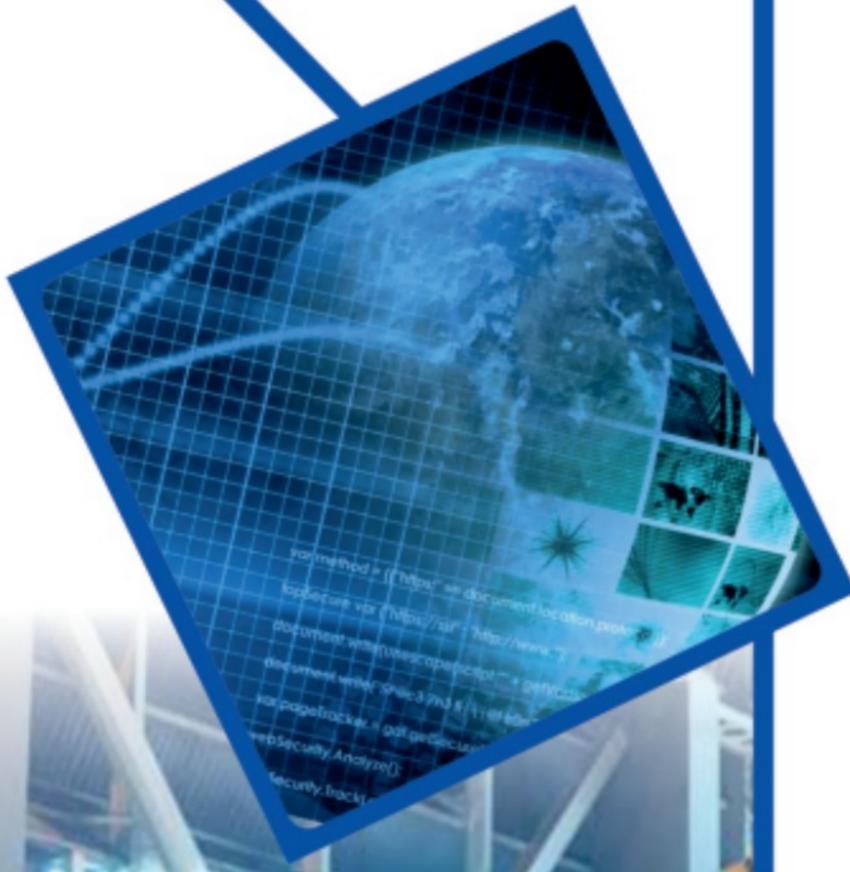


**NSIC**



# **POWER** *LIFELINE*



## **ABOUT US**

POWER LIFELINE was established in 2010, having a working unit in Delhi and supplying our products all over in India. Now we have well furnished with equipment, and an ideal manufacturing Unit at Delhi which are registered with SSI & NSIC. We take pride to introduce ourselves as one of the leading quality manufacturers of servo Voltage Stabilizers and having repeated orders of our clientele. We have a dedicated team of professionals who are specialized in manufacturing best quality of servo voltage stabilizers.

## **PRODUCTS OFFERED**

We always keep in mind not to do any kind of compromise with the quality of the products. Our products include: SERVO VOLTAGE STABILIZER, AUTOMATIC VOLTAGE STABILIZER, ISOLATION & ULTRA ISOLATION TRANSFORMER, PHASE NEUTRAL BALANCING SYSTEM (PNBS), CONSTANT VOLTAGE TRANSFORMER (CVT), VARIABLE AUTO TRANSFORMER, DISTRIBUTION TRANSFORMER, POWER FACTOR PENAL, LT PENAL TYPE CONTROL TRANSFORMERS AND UPS SYSTEMS etc.

## **INFRASTRUCTURE**

Our quality manufacturing is being supported by the fully equipped production unit which comprises of highly advanced machinery and best available raw materials. We have separate manufacturing, designing, quality control and research units which work with full dedication to provide to the customers. We are always ready to welcome latest & new Technology and Machinery, coming in the market for betterment of our products.

## **TEAM**

Our employees are the backbone of our company and our success mostly depends upon our qualified, skilled and efficient employees. Our team members have got an immense experience in their respective fields which helps them in delivering better results. We organize skill development sessions in order to keep our team up-dated with the advancements in the industry.

## **QUALITY**

Our Products Confirm the guidelines, procedure and specifications as per IS:9815-94 our transformers consist of electrolytic grade pure copper, and lamination CRGO grade which make our products efficient rated capacity and beyond competition we continuously follow the ISO:9001(2008 AND IS:9815 (1994) instruction and specifications in our manufacturing process. We are equipped with a R&D unit and testing section which has got all tools and testing facilities that support us in supplying our products as per Customers requirement.

## **SERVICES**

We promise to provide our service in Delhi and NCR within twenty four hours and all over India within three-four days (except leave days). Our service engineers are involved in 24\*7\*365 duty which helps us in delivering a better and unbeatable service to our clients. This is one of the special features of the company that has proved to be helpful in getting clients from every part of the country.

## **APPLICATION OF VOLTAGE REGULATORS**

Flour mills, offset presses, real Estates cement plants, Engineering Units, Pharmaceutical Units, Cold Storage, Rolling mills, Textile Mills, Paper Mills, Pipe & Tube, Rice Sheller, Rubber Industries, Tea Estate, Food Processing Industries, Oil & Vanaspati Plants, Footwear & Leather units, Distilleries & Beverage, Hospital & Nursing Homes, Club & Hotels, high Rise Buildings, School & Collage, Research Centers, Malls & Cinemas etc.

## **WHY US**

Premium Quality Products Time Wound Delivery & quick - Efficient After Sales Services

## STANDARD TECHNICAL SPECIFICATIONS OF SERVO VOLTAGE STABILIZER

Input Ranges	: 3 Phase 240-480V, 300-470V, 340-460V 1 Phase 140-280V, 170-270V, 196-265V or any other input ranges as per requirement of the clients
Input Frequency	: 48 to 52 Hz
Output Voltage Range	: Three Phase 400V/415V $\pm$ 1% Single phase 230/240V $\pm$ 1%
Accuracy/ Regulation	: $\pm$ 1 %
Output Frequency	: 50Hz
Output Waveform	: True to Input
Mode of operation	: Auto/Manual
Voltage Correction Speed	: 6V to 40 Volts (as per requirement)
Response Time	: Less than 10 m/sec.
Correction Method	: Step less correction through Variable Transformer
Type of Cooling	: ONAN
Operating Temperature	: 45°C above ambient
Insulation Class	: Class B to F
Duty Cycle	: 100% Continuous
Efficiency	: $\geq$ 98%
Auto Transformer	: Copper Electrolytic Grade, Heavy Duty
Buck Boost Transformer	: Copper Electrolytic Grade, Heavy Duty
Servo Motor	: High Torque, quick response
Suitability Type	: Suitable for Three Phase unbalanced/ balanced Supply and Load
Digital Control Card	: Fully Automatic micro controlled
Display	: for easy on line serviceability. : having following features:- : Digital with Class 1 accuracy Input Voltage Output Voltage Output Current (Auto Scrolling)
Auto Protection Alarm	: Under Voltage, Auto Reset Over Voltage, Auto Reset Short Circuit & Password Protection
Indications	: Mains On Under Volt Over Volt
Load Application	: Capacitive, Resistive, any Combination
Component Losses	: As per IS:9815
Load Losses	: As per IS:9815
No Load Current	: As per IS:9815
Quality Process	: ISO : 9001 (2008)
IS Standrad	: IS: 9815, IS :2026, IS : 335



## L.T Automatic Voltage Stabilizer (liner Type)

L.T. Automatic Voltage Stabilizers hold its potential for units having either L.T Supply or Low capacity H.T Connection. The same can be manufactured for Balanced supply for unbalanced loads or unbalanced supply for unbalanced loads. The range input supply for which the stabilizer is designed depends upon the voltage condition at the supply point. However some standard ranges for L.T Stabilizer are as under:

### TECHNICAL SPECIFICATIONS

Capacity	: 100KVA TO 2000KVA
Input voltage	: 300-460V, 340-460V, 360-460V (phase to phase)
Output Voltage	: 400V/415 Volts+ 1 % (Phase to phase)
Type	: Suitable for: Balanced load & balanced supply
Application	: Indoor/outdoor Type(Optional)
Phase	: 3-ph, 4 Wires
Frequency	: 50Hz
Response Time	: fraction of second
Speed of correction	: 8-16 v/sec
Mode of operation	: automatic/manual/hand control
Suitability	: Nil
Wave form distortion	: 100% continuous
Efficiency	: ONAN(Oil Natural Air Natural)
IS Standard	: IS:2026
Transformer oil	: IS: 335
Operating temp	: 0 c-50 c above ambient
Laminations used	: CRGO Laminations-M4 Grade
Copper used	: 99.9% Pure Electrolytic Grade
Carbon Rollers Used	: High Grade Graphite Rollers



### CONSTRUCTION

The Rolling Contact Servo unit consists of following:

- a) Buck boost transformer: Double Copper Wound, Open/Open Connected.
- b) On load stepless voltage regulators having "carbon roller assembly" copper auto wound and delta connected.
- c) Automatic control gear: for automatic correction of fluctuating supply voltage, we shall provide electronic relay which in its simplest form senses the output voltage and provide signal to the driving motor for necessary correction.
  - I) One electronic voltage relay
  - II) One motor having reversing gear facility.
  - III) Two limits switches in order to control over running at highest and lowest positions.
  - IV) Chain Drive, Coupling Device and all electrical connections
- d) Control Panel consists of:
  - I) Micro Control Base Digital Control.
  - II) Increase Decrease push Button Switches with Higher and lower limit switches.
  - III) Voltmeters to read input & output with help of selector switches.
  - IV) Optional Ammeter with CT and selector switches.
  - V) Power indication LED's and auto/Manual selectable switch.
  - VI) Hand wheel will be located on the front of the regulator tank to be operative very conveniently.
- F) Other arrangements: cable box suitable for input & output armatures cable of appropriate rating. Suitable aluminum bus bars will be provided with stem type terminals for auxiliary connections.

Rating Plate	Lifting Lugs	Drain Valve
Oil Level Indicators	Earthing Terminals	Thermometer Pocket

## ISOLATION TRANSFORMER

Isolation Transformers are effective and sensitive equipment which save from Line Voltage transients, Spike & DC Leakage etc. They are specially designed for sensitive critical equipment's like computers & peripherals, medical instrumentation digital communication telemetry systems, CNC Machines etc. and stopping such disturbance generated by the noisy equipment's load from being injected into the power line.

### TECHINCAL SPECIFICATIONS

Capacity	: 1KVA to 1500KVA
Phase	: Single Phase and Three Phase
Input Voltage	: 220V, 230V in Single Phase/400V, 415V in Three Phase
Output Voltage	: 220V, 230V in Single Phase/400V, 415V in Three Phase Or as per requirement
Frequency	: 50HZ
Transformer Ratio	: 1:1 (or as per requirement)
Type	: Indoor
Vector Group	: DYN 11 (as per requirement)
Winding	: Copper Winding
Lamination	: CRGO
% Impedance	: 5%
Type of Cooling	: Natural Air/Oil Cooled
Ambient Temperature	: 1° to 55°C (above ambient temp)
Power Factor	: 0.75 Lag to Lead
C.M.N.R.	: 100db
Class of Insulation	: Class B to H
Insulation Resistance	: More than 100 M Ohms
Coupling Capacitance	: less than 0.001 pF
VI Electric Strength	: 2500V AC for 120 Sec.
Over Load Capacity	: 110% for 10 Minutes
Duty Cycle	: Continuous
Efficiency	: Better than 97%
IS Confirming to	: IS : 2026
Termination	: All Input & Output Terminals Brought out on a terminal board Through studs of adequate rating.



## TECHNICAL SPECIFICATIONS OF CVT

Capacity:150VA to 10KVA

Phase :Single Phase

Input Voltage Range:180-260V

Input/Output Frequency:50Hz(+/-1Hz or better)

Output Voltage:230 V AC (+/-1.5% or better)

Output Voltage:Sinusoidal

Efficiency:95% or More

Power Factor:Unity

Ambient Temperature :Upto 50Deg. Cel.

Wheel Mounted (for movement):Wheel Mounted (If Requirement)

Protection :Short Circuit and Overload Optional

Termination :Input & Output Terminal blocks

Relative Humidity :95% Non-condensation

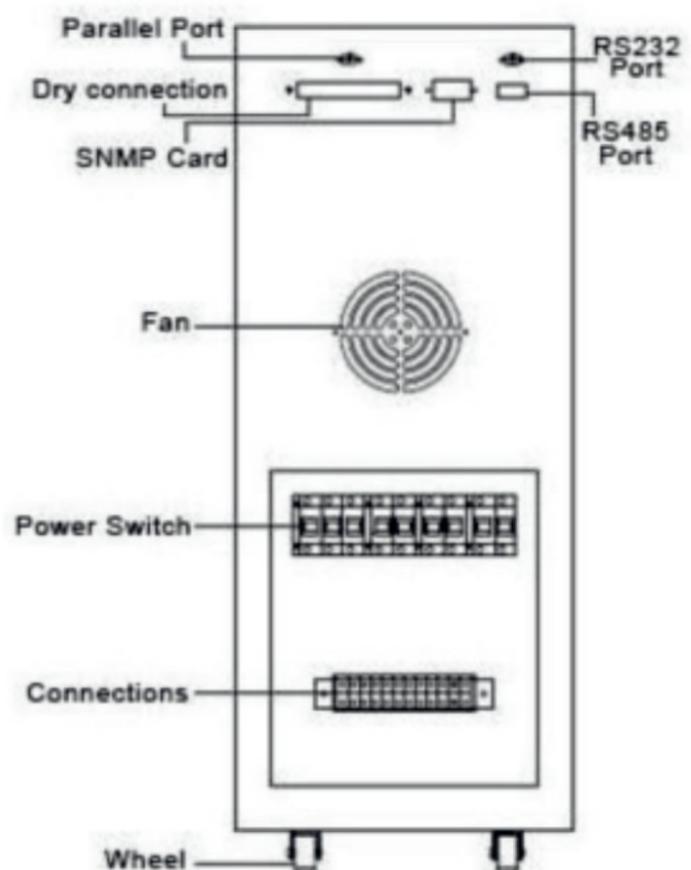


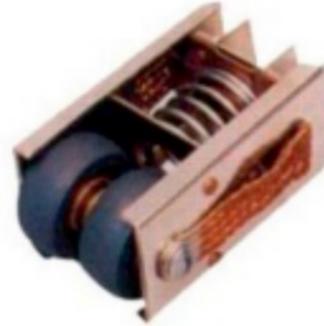
## UPS SYSTEMS

UPS systems have become an integral part of life whether in our residence or in our Offices, we cannot survive without UPS systems. UPS Systems provide us emergency electrical power to the connected load, if the input power source, or means power falls. It is available in On Line mode. Battery Back-Up is most uninterruptible power sources of UPS systems. It will be from 15 minutes to 12 hours depending upon the requirement of the customers. Available models are:

**ON Line: Single Phase: 2KVA to 20 KVA**

**Three Phase: 15 KVA to 60 KVA**





# **POWER LIFELINE SYSTEMS**

**AN ISO 9001:2000 CERTIFIED COMPANY**

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