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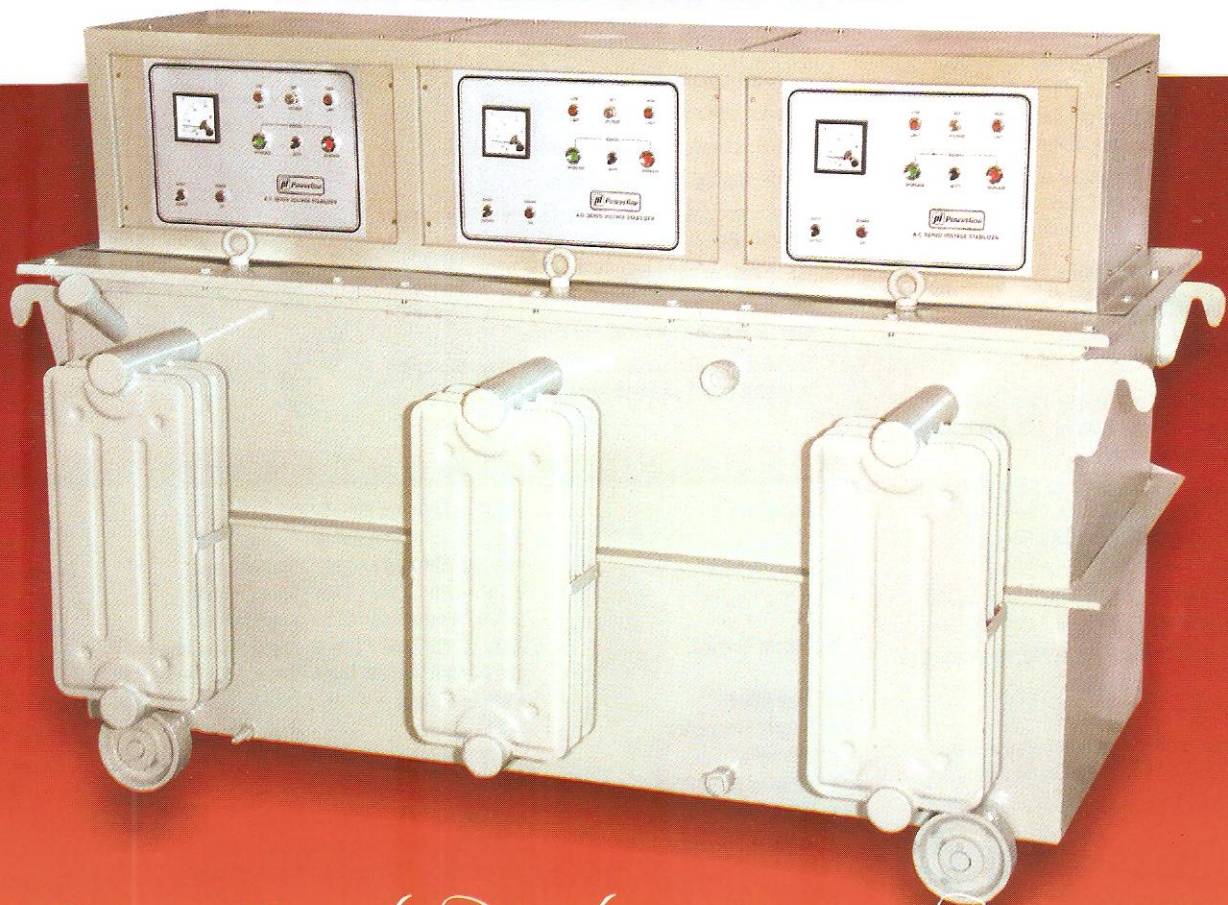


POWER CORRECTION EQUIPMENTS

SERVO

VOLTAGE STABILIZER

AN ISO 9001:2008 CERTIFIED COMPANY



Your Best Partner in your Progress

Optimum performance of any Electrical or Electronic equipment is highly dependent on the stability of the applied mains Voltage. Wide deviations from the normal voltage both on the higher side and lower side can produce harmful effects.

POWERLINE Servo controlled A.C. Voltage Stabilizers are exclusively designed to protect your costly equipments from harm

caused by undesired voltage fluctuations.

POWERLINE Servo Voltage Stabilizers are ideally suitable for Computers and Computer based systems, Medical Diagnostic Equipments, General Laboratory Equipments, High Power Communication Systems and any other application that requires a precise Mains Supply.

SERVO CONTROLLED VOLTAGE STABILIZER

ADVANTAGE OF POWERLINE SERVO STABILIZERS

- Corrects voltage automatically and continuously.
- Induction motor operate at high efficiency when supplied with constant voltage.
- Protects costly equipments from menace of High / Low Voltage, thus cutting down the maintenance cost.
- Low Production losses & better efficiency in plant.
- Increased Productivity.
- Depreciation as per Income Tax Act., allowed
- Reduces MDI and saves Power.
- Reduction in electricity bills up to the level of approximately 15% (This depends on the input variation loading and the number of working hours)
- Saves on diesel cost, as generator in not required to run at High / Low input voltage.
- The average pay back period of Servo Controlled Voltage Stabilizer owing to its high energy saving capability is approx. 18 months.

FIELD OF APPLICATION

- Information Technology and Call Centers.
- Computer and Micro-Processor Controlled Equipments.
- Sophisticated research instruments used in Scientific, Medical, Agriculture, Educational and other Research Institutions.
- Offset Printing Presses, Colour Scanners, Processors, Phototypesetters, Photographic Equipments, Photo Copiers and Packaging Industries.
- Medical Equipments, X-Ray Machines, E.C.G. Machines / Monitors, MRI, CT Scans etc.
- Defence Installations, LPTs, HPTs, Broadcasting & Telecommunications.
- Lifts, Escalators and Elevators.
- Central Air-Conditioning Plants, Processing Plants, Chemical Industries, Textile Industries.
- CNC Machines, Laser Machines and Moulding Machines etc.
- Commercial Buildings and Complexes.
- Complete Hospital and Nursing Homes.

OUR OTHER PRODUCTS

- UPS / CVT
- Isolation Transformers
- AVR/ Inverters
- Step Up / Down Transformers
- Auto Variable Transformer
- Power Supplies & Battery Chargers.



OUTSTANDING FEATURES OF POWERLINE SERVO STABILIZERS

- Fast Correction rate and very high efficiency.
- Works over wide input frequency range and no waveform distortion.
- Specially designed high performance I.C. based control circuit for ultra high reliability.
- Auto / Manual operation facility.
- Over voltage and under voltage Indicators.
- Output voltage adjustability provided on panel.
- Unaffected by Load Power Factor
- Plug-in type glass-epoxy control cards designed for easy on line serviceability.
- All components used are of reputed makes, confirming to relevant IS / BS standards.
- Easy accessibility from all four sides.
- Stabilizers are subjected to routine and type tests in accordance with latest IS standards (IS:9815-94)

TECHNICAL SPECIFICATIONS

- | | |
|-------------------------------|---|
| • Capacity | 1 KVA to 500 KVA (Single Phase)
3 KVA to 1500 KVA (Three Phase) |
| • Input Voltage | 150V - 270V, 170V - 270V (Single Phase)
260V - 470V, 300V - 470V (Three Phase)
(other ranges available on specific order) |
| • Output Voltage | 220V / 230V / 240V Single Phase (adjustable)
380V / 400V / 415V Three Phase (adjustable) |
| • Regulation | ± 1% or better. |
| • Supply Frequency | 47 Hz - 53 Hz. |
| • Efficiency | better than 97% |
| • Effect of Load Power Factor | Nil |
| • Wave form Distortion | Nil |
| • Rate of Correction | Better than 36V / sec. in air cooled models
Better than 20V / sec. in oil cooled models |
| • Duty Cycle | 100% continuous |
| • Response Time | Less than 100 ms. |
| • Cooling | Air / Oil as per requirement |
| • Over Load Capability | Upto 200% momentarily |
| • No Load Capability | Less then 0.8% over entire range |
| • Suitability | Suitable for 3 Ph. unbalanced / balanced supply & unbalanced / balanced load. |
| • Mounting | On Wheels |
| • Earthing | Earthing Terminals Provided. |

