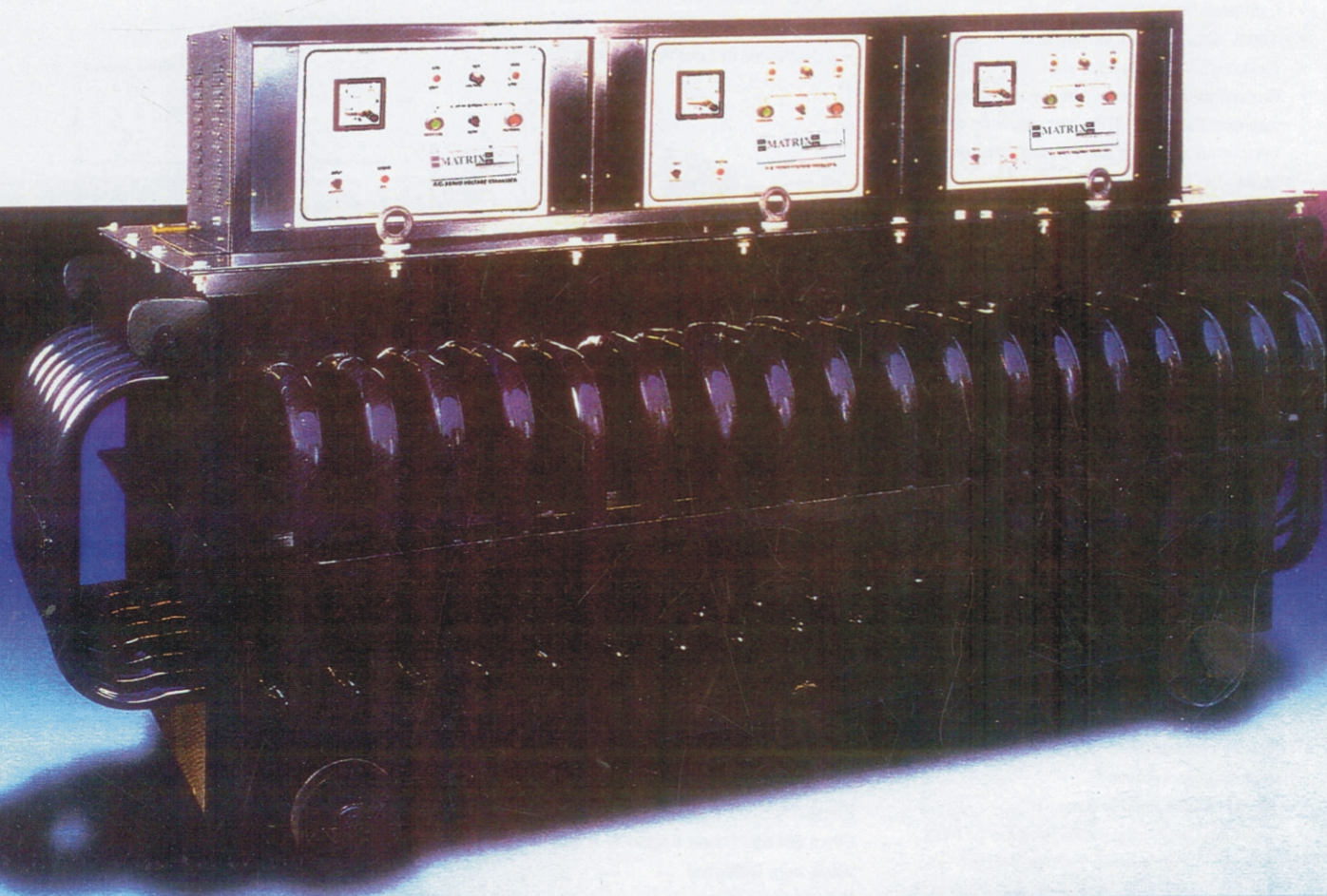


**PERPETUAL POWER**

SERVICES PRIVATE LIMITED

# SERVO

## VOLTAGE STABILIZER



## Your Best Partner To 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.

PERPETUAL servo controlled AC Voltage Stabilizers are exclusively designed to protect your costly equipments from harm caused by undesired voltage fluctuations.

PERPETUAL 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.

**PERPETUAL POWER SERVICES PVT. LTD.**



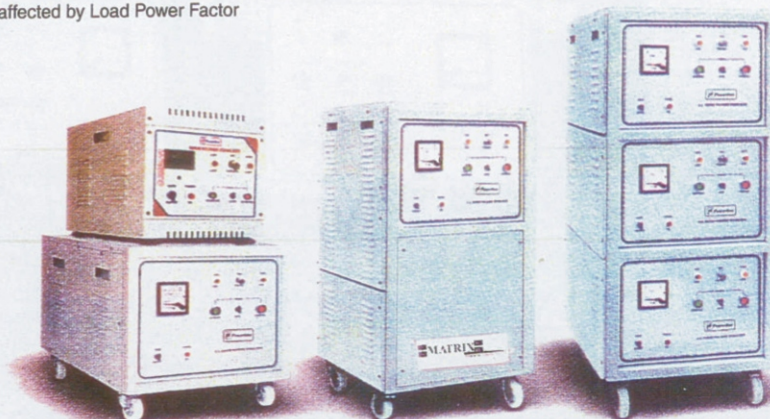
# PERPETUAL POWER

SERVICES PRIVATE LIMITED

## SERVO CONTROLLED VOLTAGE STABILIZER

### ADVANTAGE OF MATRIX SERVO STABILIZERS

- Corrects voltage automatically and continuously.
- Induction motors 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.
- 100% depreciation as per Income Tax act.
- Reduces MDI and saves Power.
- Reduction in electricity bills up to the level of approximately 15% (This also depends on the input variation loading and the number of working hours.
- Saves on diesel cost, as generator is 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.
- 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, conforming 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)



### 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, Color 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 and 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 Hospitals and Nursing Homes.

### OUR OTHER PRODUCTS:

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

### TECHNICAL SPECIFICATIONS

Capacity	1KVA to 330 KVA(Single Phase) 3KVA to 1000 KVA(Three Phase) 150V-270V, 170V-270V(Single Phase) 260V-470V, 300V-470V(Three Phase) (Other ranges available on specific order)
Output Voltage Regulation	220V/230V/240V Single Phase (adjustable) 380V/400V/415V Three Phase (adjustable) ±1% or better.
Supply Frequency	47 Hz - 53 Hz.
Efficiency	Better then 98%
Effect of Load Power Factor	Nil
Wave from 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 then 10 ms
Cooling	Air / Oil as per requirement
Over Load Capability	Upto 200% momentarily
No Load Losses	Less than 0.8% over entire range
Suitability	Suitable for 3 Ph unbalanced/balanced supply & unbalanced/balanced load.
Mounting	On Wheels
Earthing	Earthing Terminals Provided

**PERPETUAL POWER**

SERVICES PRIVATE LIMITED

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