



bluebird[®]

the most reliable

SERVO VOLTAGE STABILIZER



SALIENT FEATURES OF bluebird[®] SERVO STABILIZER

- Fast corrections 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 for easy on line serviceability.
- All components used are of reputed makes confirming to relevant IS/BS standards.
- Stabilizers are subject to routine and type tests in accordance with latest IS Standards (IS:9815-94)

AN ISO 9001 : 14001: 2015 CERTIFIED COMPANY

ADVANTAGE OF bluebird® SERVO STABILIZER

- Corrects voltage automatically and continuously.
- Induction motor operate at high efficiency when supplied with constant voltage.
- Protects costly equipment 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 depends on the input variation loading and the number of working hours)
- saves on diesel cost, as generation 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, Color Scanners, Processors, Phototypesetters, Photographic Equipments, Photo Copies 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 Industrial, Textile Industries
- CNC Machines, Laser Machines and Moulding Machines etc.
- Commercial Building and Complexes.
- Complete Hospital and Nursing Homes.

TECHNICAL SPECIFICATIONS

Capacity	1 KVA to 100 KVA (Single Phase) 3 KVA to 1500 KVA (Three Phase)
Input Voltage	160v - 260 V, 140V - 270V (Single Phase) 300V - 450V, 240V - 270V (Three phase) (other ranges available on specific order)
Output Voltage	220V / 230V / 240V Single Phase (adjustable) 330V / 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 Losses	Less than 0.8% over entire range
Suitability	Suitable for 3Ph.unbalanced / Balanced supply & unbalanced / balanced load.
Mounting	On Wheels
Earthing	Earthing Terminals Provided.

all specifications are subject to change due to technology upgradation without notice



SINGLE PHASE : 5 KVA



THREE PHASE : 20 KVA - 50 KVA



SINGLE PHASE : 10 KVA - 15 KVA



THREE PHASE : 3KVA - 50 KVA

BLUEBIRD POWER CONTROLS PVT. LTD.
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OUR OTHER PRODUCTS

- Automatic Voltage Stabilizers
- CVT
- Isolation / Control Transformers

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