



bluebird[®]

the reliable constant voltage transformer



AN ISO 9001 : 14001: 2015 CERTIFIED COMPANY

Optimum performance of sophisticated electronic equipments is highly dependent on the stability of the mains voltage. The continuously fluctuating mains supply, transients, spikes & surges produce harmful effects.

'bluebird' constant voltage transformer gives an effective solution to all these problems. Constant voltage transformers are based on Ferro-Resonance Principle & it consists of two basic components i.e. Ferro-Resonant transformer and capacitor.

'bluebird' constant voltage transformers are ideally suitable for computers & like systems Data processing equipment, Bio – Medical equipment, Telecommunication equipment, Telex, EPABX, Electronic Typewriter, Fax Machines and any other sophisticated electronic equipment which requires a precise mains supply.

SALIENT FEATURES :

- ❖ High reliability as no semi conductors / moving parts used.
- ❖ Provide relatively sine wave output irrespective of quality of input wave shape.
- ❖ 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.



bluebird®

the reliable voltage stabilizer

SPECIFICATIONS :

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 1% change 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.

OTHER PRODUCTS



STABILIZER



SERVO

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