

# Automatic Voltage Stabilizer

FOR DJ SOUND SYSTEM | AC | MAINS | REFRIGERATOR

# The most trusted

## Automatic Voltage Stabilizer | Servo Voltage Stabilizer | Constant Voltage Transformer







# **OVER 2 DECADES OFF LEADERSHIP**



AN ISO 9001:2015 CERTIFIED COMPANY

www.blueguardstabilizer.com | Toll Free No. 1800117515



## Automatic Voltage Stabilizer

Blueguard is a leading manufacturer of high quality voltage stabilizer. Our aim is to incorporate the latest technology & to provide stable & high quality product.

## Features

- IC controlled electronic circuit ensuring Positive switching of relay contact making it more durable.
- Installed with unique designed vacuum impregnated transformer ensure less heating, high efficiency & low power consumption.
- ★ Elegantly Designed Power coated metallic Chasis.
- ★ Quality components with high reliability promises maximum safety.
- ★ All models available in Copper & Aluminum transformer.

## Specification

- **\*** Working Range
- 170 270 Volts - 150 - 280 Volts
- 140 280 Volts
- 130 280 Volts
- 90 300 Volts (Single Phase)
- 170 480 Volts (Double Phase)
- 90 500 Volts (Double Phase) - 0.5 KVA to 10.0 KVA
- ★ Capacity
- (Other specifications) available on request)

### **OPTIONAL FEATURES :**

★ Low & High Voltage trip with Time Delay also Available.





# Servo Voltage Stabilizer



Three Phase Oil Cooled 30KVA-50KVA

**SPECIFICATIONS** 



Single Phase 3KVA-7.5KVA





1 KVA to 100 KVA (Single Phase) 3 KVA to 1500 KVA (Three Phase)

160 V - 260 V, 140 V, - 280 V (Single Phase) 300 V - 450 V, 260 V - 450 V (Three Phase) (other ranges available on specific order)

220 V / 230 V / 240 V Single Phase (adjustable ) 380 V / 400 V / 415 V Three Phase (adjustable)

+/-1% or better.

47 Hz - 53 Hz.

better Than 97%

Nil

Nil

Better than 36 V / sec. in air cooled models Better than 20 V / sec. in oil cooled models 100% continuous Less than 100 ms. Air / Oil as per requirement

Upto 200% momentarily

Less then 0.8% over entire range

- Suitable for 3Ph. Unbalanced / balanced supply
- & unbalanced / balanced load.

On Wheels

Earthing Terminals Provided.



Three Phase Air Cooled 3KVA-30KVA

Output Voltage

Input Voltage

Regulation

Capacity

- Supply Frequency
- Efficiency
- Effect of Load power Factor
- Wave from Distortion
- Rate of Correction
- Duty Cycle
- Response Time
- Cooling
- Over Load Capability
- No Load Losses
- Suitability
- Mounting
- Earthing

all specffications are subject to change Due to technology upgradation without notice.





### **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 from distortion	:	less then 4% under
		full load condition.
Load Power Factor	:	0.75% lag to 0.9% lead
Ambient Temp.	:	-5º to 50º c
Effect of line	:	1% (app) change in
frequency	:	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 there by 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.