



# GREEN VOLT

S Y S T E M



Rating  
**3000**<sup>upto</sup>  
**KVA**

India's LEADING  
MANUFACTURER OF  
SERVO  
VOLTAGE STABILIZER  
L.T. PANELS  
& TRANSFORMERS



**MEME**  
सूक्ष्म, लघु एवं मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES

## GREEN VOLT SYSTEM



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## ABOUT US

**Green Volt System**, started operations in the year 2021 Under the leadership of **Mohd. Azhar and Aakib Javed** and since then we're Manufacturing **Servo Voltage Stabilizer, Transformer & Control Panels and Linear Type Servo Voltage Stabilizer**, Design and Project Management as well as Manufacture, Electrical Installation and Services, We are Registered Manufacturing enterprise under **MSME**, and also **ISO 9001:2015** Certified company having manufacturing unit in Ghaziabad.

## OUR QUALITY:

At Green Volt System, we are committed for using cutting edge technology to provide premium quality products to our clients for better efficiency and durability. With strict quality control processes & regular R&D in place, we ensure to deliver the latest and best technology products to our clients. Our quality and perfection are the driving forces at our organization that are actively taken care while manufacturing our offered products. For the production of these products, we use best quality raw material and components which are procured from the most reliable vendors in the market.

## GREEN VOLT SYSTEM THREE PHASE OIL COOLED SERVO VOLTAGE STABILIZERS:

We are one of the leading manufacturers and OEM suppliers of **Servo Voltage Stabilizers** (Oil cooled, Three Phase) in India. Servo Voltage Stabilizers work on servo-mechanism or negative feedback mechanism, and as the name implies, it uses servo motor(s) to achieve the voltage correction and both the Transformers are fully immersed in Oil (acting as coolant). These are mainly used to provide regulated output with optimum voltage accuracy of  $\pm 1\%$ . A servo Stabilizers incorporates servo motor, auto Transformers, buck boost Transformers, motor driver and control circuitry as essential components.

## THREE PHASE VARIAC TYPE SERVO VOLTAGE STABILIZERS OIL COOLED - CAPACITY 10 KVA TO 1000 KVA

Voltage Fluctuations increase the risk of break down or malfunction in your costly equipments and machineries No one likes to risk the life of costlier and sensitive electronic & electrical equipment **GREEN VOLT SYSTEM** digital oil cooled servo controlled voltage stabilizer equipped with latest digital micro processor based controllers give a constant output voltage with stability of  $\pm 1\%$  and has a very life expectancy thus ensures a good life span for your costly electrical/electronic equipments.

## TECHNICAL SPECIFICATIONS:

| <u>Rating</u>                     | <u>UPTO - 1000 KVA</u>                     |
|-----------------------------------|--------------------------------------------|
| Input voltage (Phase to Phase)    | 330-470, 300-470, 240-470, 150-470 V       |
| Input voltage (Phase to Neutral)  | 190-270, 170-270, 140-270, 90-270 V        |
| Output Voltage (Phase to Phase)   | 380/400/415 $\pm$ 1% V                     |
| Output Voltage (Phase to Neutral) | 220/230/240 $\pm$ 1% V                     |
| Output Waveform                   | True to Input                              |
| Input Frequency                   | 47-53 HZ                                   |
| Duty Cycle                        | Continuous 24 Hours                        |
| Response Time                     | 10 m.sec.                                  |
| Correction Speed                  | 25-65 V/sec.                               |
| Correction Methods                | Step Less Correction Using Variac          |
| Cooling                           | Oil Cooled                                 |
| Efficiency                        | Better Than 98%                            |
| Control Card                      | Fully Automatic Micro Processor Based      |
| Suitability                       | Suitable for 3 Phase unbalanced / Balanced |
|                                   | Supply, Unbalanced / Balanced Load         |
| Operating Temperature             | -15 c to 45 c above Ambient                |



## ADDITIONAL FEATURES (OPTIONAL)

- High & Low cut of protection
- Over Load & Short Circuit Protection
- Single Phase Prevention System
- By Pass System

## GREEN VOLT SYSTEM THREE PHASE AIR COOLED SERVO VOLTAGE STABILIZERS : CAPACITY: 6 TO 100 KVA

We manufacture air cooled servo controlled voltage stabilizer in three phase upto 100 KVA. Air cooled servo stabilizers are with individual electrical/electronic equipment/itmes which may get damaged in case of voltage fluctuations. We use high quality raw materials & advanced micro processor based controlling technology for better performance, efficiency and protection of your equipments.

### TECHNICAL SPECIFICATIONS:

| Rating                          | UPTO - 1000 KVA                                                               |
|---------------------------------|-------------------------------------------------------------------------------|
| Input voltage (Phase to Phase)  | 330-470, 300-470, 240-470, 150-470 V                                          |
| Output Voltage (Phase to Phase) | 380/400/415+/-1% V                                                            |
| Input Frequency                 | 47-53 HZ                                                                      |
| Duty Cycle                      | Continuous 24 Hours                                                           |
| Correction Speed                | 25-65 V/sec.                                                                  |
| Cooling                         | Air Natural                                                                   |
| Efficiency                      | Better Than 98%                                                               |
| Control Card                    | Fully Automatic Micro Processor Based                                         |
| Suitability                     | Suitable for 3 Phase unbalanced / Balanced Supply, Unbalanced / Balanced Load |
| Operating Temperature           | -15°c to 45 c above Embient                                                   |



## GREEN VOLT SYSTEM THREE PHASE AIR / OIL COOLED SERVO VOLTAGE STABILIZERS : CAPACITY 2 KVA TO 30 KVA

### **Salient Features:**

Micro-controller based models with digital display,  
High/Low voltage protection, intelligent Time delay protection.

|                                                    |                                         |
|----------------------------------------------------|-----------------------------------------|
| INPUT VOLTAGE RANGE<br>Extra Wide range<br>90-280V | OUTPUT VOLTAGE<br><br>220/230/240V +-1% |
| Wide range<br>110-280V                             |                                         |
| Medium range<br>140-280V                           |                                         |
| Narrow range<br>170-280V                           |                                         |



## THREE PHASE ROLLING / LINEAR CARBON ROLLER TYPE SERVO VOLTAGE STABILIZERS : CAPACITY: UPTO 5000 KVA GENERAL SPECIFICATION

Green Volt system make rolling contact type servo stabilizer are available in Outdoor/Indoor Naturally Oil Cooled Units with wide input voltage ranges and with Balanced/Unbalanced supply depending upon voltage condition as per customer's requirement, some of standard technical specification mentioned below:

| Input Voltage         | 360-460V                      | 350-460V | 340-460V | 320-460V | 300-480V |
|-----------------------|-------------------------------|----------|----------|----------|----------|
| Efficiency (Approx.)  | 99.5%                         | 99.4%    | 99.3%    | 99.9%    | 98.8%    |
| Rating                | Up to 5000 KVA                |          |          |          |          |
| Output Voltage        | 400/415V                      |          |          |          |          |
| Cooling               | Naturally Oil Cooled          |          |          |          |          |
| Correction Speed      | 10-15 V/sec.                  |          |          |          |          |
| Wave form distortion  | Virtually Nil                 |          |          |          |          |
| Response Time         | Instantaneous                 |          |          |          |          |
| Duty Cycle            | 24 hrs Continuos on 100% load |          |          |          |          |
| Operating Temperature | 45 c above ambient            |          |          |          |          |
| Mounting              | Uni-directional wheels        |          |          |          |          |



## LT PANEL

**GREEN VOLT SYSTEM LT Panel (Low Tension Panel)** is a type of electrical distribution board that operates at low voltage, These panels are widely used in industrial, commercial, and residential settings to distribute electricity to various devices, machines, or sections of a facility.

### KEY COMPONENTS:

- **Circuit Breakers:** For protection against overcurrent and short circuits.
- **Busbars:** Conductors that distribute power to outgoing circuits.
- **Relays:** For monitoring and control.
- **Meters:** For voltage, current, and energy monitoring.
- **Switches and Fuses:** Additional safety features.
- **Enclosure:** Protects the components from environmental factors and ensures safety.
- **Power Factor Improvement Devices (optional):** Capacitor banks to improve the efficiency of the electrical system.

### APPLICATIONS:

- Distributing power in industrial plants and factories.
- Controlling power in commercial buildings.
- Supplying power to residential complexes or smaller loads.



**All Kind of Electrical Panel Oil Cooled Servo Stabilizer  
Air Cooled Stabilizer Liner type Servo Stabilizer & Transformers**

### Applications

- Air Conditioning Plants • Medical Equipments • Offset Printing Machines • CNC Machines • Escalators & Elevators
- Industries & Lighting Loads • Mall & Commercial Complexes • Residence & Office • Telecommunication Systems
- Sophisticated Laboratory Equipments • Defence Equipments • Motors Cement Plants Hotels Industries • R&D
- Institutions • Data Centres • Distilleries & Beverages • Tea Estates • Meteorological Equipments
- Food Processing Units • Cold Storages Rubber Industries. Rice Mills Sugar • Mills • RO Plants

## OUR CLIENTS



Many more...

## GREEN VOLT SYSTEM

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