

# Core Values



Innovation,  
Upgradation  
& Continuous  
Improvement



People



Trust & Integrity



Lowest cost  
of ownership

## Quality Control Measures

- Incoming Quality check (QC) all materials procured from our suppliers
- Single Phase Testing
- 3-Phase modern testing bench to test all our machines on full load conditions up to 500KVA (*most manufacturers don't have 3-phase testing facilities*)
- Measurement of no load and load losses
- Under voltage, overvoltage, Single phase Testing



# ***Product Portfolio***

Air & Oil cooled Servo Voltage Stabilizer

Isolation & Ultra Isolation Transformer

Servo Stabilizer with inbuilt isolation transformer (Power Conditioner)

Mainline Distribution Panels

Uninterrupted Power Supply (UPS)

Home Automation Solutions

Industry Security Solutions



# Servo Voltage Stabilizers



## Variants

1. Single Phase (1-phase)
2. Three Phase (3-phase)

## Models

1. Air cooled
2. Oil cooled

## Our Range of Servo Voltage Stabilizers

1-50 KVA Single  
Phase

3-300 KVA Air cooled  
3-Phase

15-1000 KVA Oil  
cooled 3-Phase

**SENTRI Servo Voltage Stabilizers** are specially designed for heavy duty industrial load, to reduce failure of your equipment's, optimize use of power and save energy

**SENTRI Servo Voltage Stabilizers** act as a perfect companion to your high-end machineries and protects them from all forms of hazardous voltage variations.

## **Protections Provided in SENTRI Servo Voltage Stabilizers**

- Under-voltage and Over-voltage Protection
- Short circuit Protection
- Overload Protection
- Phase Reversal Protection
- Single phase protection (incase of 3-phase Servo Stabilizers)

*“All our products are heavily loaded with optimum protection features, to ensure complete safety to your equipment's”*

# ***Servo Voltage Stabilizers***

## **Benefits at High Voltage:**

Reduction in  
machine  
failures

Enhances  
machines life

Power saving,  
due to optimum  
use

Reduces MD  
in your  
electric bill

## **Benefits at Low Voltage:**

Machines can now work with  
full efficiency, hence reduces  
production losses

Need to run DG, whose cost is 3  
times

## **Overall Benefits:**

Helps improving plant  
operational efficiency

Brings uniformity and  
standardization to your end  
product

**“It helps you save financial & operational losses due to failure in equipment's, at the same time helps in optimum use of power & provides savings in your electric bills during high voltage scenario**

**“Generally the payback period for SENTRI Servo Stabilizers is roughly 12 months”**

## **Applications:**

SENTRI Servo Stabilizers are used across all forms of  
industrial & domestic loads

SENTRI Servo Stabilizers are used across all environment

# Isolation & Ultra-Isolation Transformers



## What is Isolation Transformer?

It isolates primary & secondary windings, it generates a fresh neutral and with zero neutral to ground voltage. You can have 1:1 ratio or Step Up or Step down voltage as desired

## What is Ultra Isolation Transformer?

It provides all the features and protection of an isolation transformer , plus gives you noise attenuation filtering the electrical disturbances, such as noise, spike, surge, transients

### Variants

1. Single Phase (1-phase)
2. Three Phase (3-phase)
3. V-connected (3phase input – 1 phase output)

### Our range

1. 1-50 KVA Single phase
2. 3-500 KVA 3-phase
3. 3-500 KVA V-connected isolation

### Benefits :

- ☐ Helps in reducing machine failures due to electrical disturbances such as noise, transients, surge, spikes
- ☐ It also helps you overcome neutral related problems & weak earthing conditions
- ☐ Voltage between earth & neutral reduces to less than 1V, hence improves life and efficiency of your equipment's



# Power Conditioners



## What is Power Conditioners?

- Power Conditioners are Servo Voltage Stabilizers with inbuilt Isolation Transformers
- Power Conditioners has features of both Servo Voltage Stabilizers plus isolation Transformers, hence act a complete solution to all your electricity related problems
- Power Conditioners provides the cleanest form of output to your equipment's

## Variants

1. Single Phase (1-phase)
2. Three Phase (3-phase)

## Our range

1. 1-50 KVA Single phase
2. 3-500 KVA 3-phase

## Distribution Transformers



## Mainline Distribution Panel



# Uninterrupted Power Supply

## Salient Features:



- ❏ Digital Microprocessor based design
- ❏ PWM technology using IGBT
- ❏ High inrush / Peak Current
- ❏ Large screen LCD / LED display
- ❏ Static / Manual Maintenance bypass system
- ❏ Generator Compatible
- ❏ UPS monitoring software
- ❏ Double conversion zero transfer time
- ❏ Battery under and over voltage protection
- ❏ Output overload and short circuit protection
- ❏ Less than 55db audible noise at 3.5m
- ❏ Overload capacity of 110% for 10min and 150% for 10sec

## Benefits:

### **Continuity**

Machines can operate in absence of main power

### **Consistency**

Eliminates glitches and allows time to shut down your main systems

### **Protection**

Helps in providing stable power supply to all your machines

### **Filter**

Helps provide clean output to your machine

# Automatic Power Factor Correction Panel



## Disadvantage of using Fixed Capacitors :

- ❏ *More number of capacitors need to be installed, increases load on transformer and increase your consumption*
- ❏ *Human makes errors, so one mistake can lead to losses*
- ❏ *Lacks consistency in maintaining Power Factor*
- ❏ *Even on no load conditions, capacitors stay connected to circuit, hence life of capacitors reduces*

## Why Automatic Power Factor Correction Panel:

- ❏ *Controlled by micro-processor based relay, which automatically monitors reactive power requirement. It automatically connects and disconnects capacitors as per dynamic load variations.*

## Advantages of maintaining your Power factor:

Lower electricity bill by reducing KVAR

Increases your system capacity

Reduction in losses, and voltage drop

Less strain on cables and switchgears

No more penalties by electricity board

Enhanced capacitor life

7% rebate for maintaining PF to 1.



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