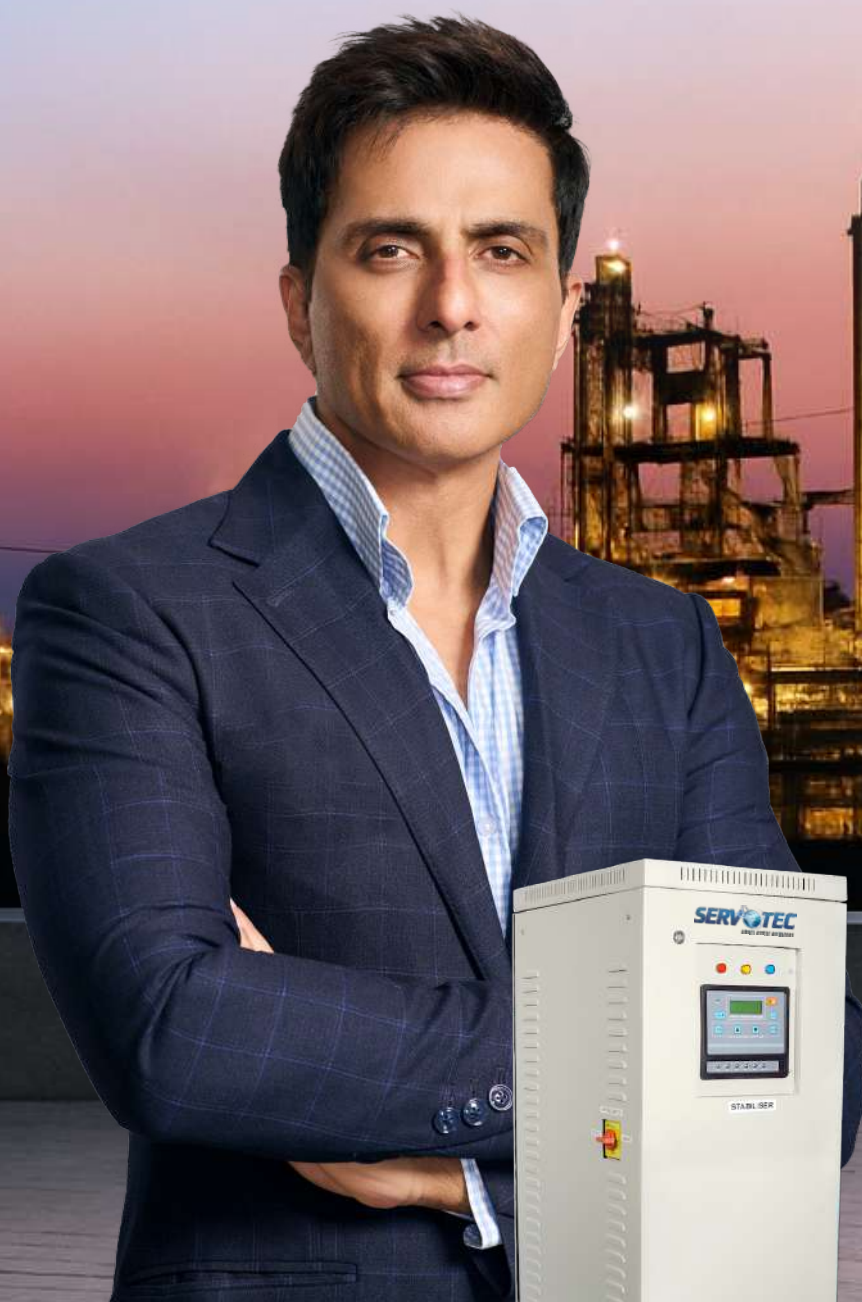




# Air & Oil Cooled Servo Stabilizer



# About

Servotech Renewable is dedicated to creating value through transformative change, with a commitment to advancing a future through sustainable development and relentless innovation. Our eco-friendly products are designed to lead the way in energy and electric mobility. With an extensive presence spanning over two decades we have curated high value solutions.

Our product portfolio features comprehensive Servo Stabilizers, solar solutions, batteries, and much more. The Servo Stabilizers are a notable addition to our robust lineup of efficient power and energy products, reflecting our forward-thinking approach. Recognizing the importance of integrating cutting-edge technology, we have developed these advanced Servo Stabilizers. Servotech continues to push the boundaries of energy technology, ensuring we deliver superior performance and innovation to our customers.

## Power Simplified with Servo Stabilizer

Servotech's Servo Stabilizers, with its new and improved advanced technology, redefines the concept of power. Crafted with precision, built for reliability, our Servo Stabilizers are a reflection of Servotech's long-lasting legacy of durable and trusted products.

## Here is why you should choose us :

- **Industry Leader:** As a pioneering power solutions brand, Servotech has become a leader in the energy sector, with products trusted by customers globally.
- **Precision Engineering:** Our Servo Stabilizers bring you the next level of innovation to keep you powered without any fluctuations. Expertly crafted for efficient voltage management, ensuring maximum power output.
- **High Efficiency:** Designed with a focus on optimal performance, Servotech Servo Stabilizers provide high energy conversion rates while lowering voltage fluctuations and keeping your appliances and machinery safe and sound.
- **User-Friendly Design:** Featuring easy-to-use interfaces and simple installation, our Servo Stabilizers offer a seamless experience, keeping voltage fluctuations under control in both commercial and residential settings.

# Air & Oil Cooled Servo Stabilizer

**AIR COOLED  
SERVO STABILIZER**



**OIL COOLED  
SERVO STABILIZER**



## Core Features



### Voltage Adjustments with High Efficiency

Under stern instances of imbalanced voltage or current, it produces a fully stable output.



### Surge Protector

Equipped with a surge suppressing device to protect electronic equipment against voltage spikes occurring inside the alternating current (AC) utility lines.



### Cost-Effective Power

Comes with a rating that ranges between 10KVA to 1000KVA that promises stable power supply at minimal costs.



### Adjustable Output Voltage

Engineered with an option to adjust fluctuating voltage outputs, the device helps in reducing the failure rate of electrical equipment.



### Improved Operational Life

The device has a long lifespan even when used at full loads in comparison to conventional make servo voltage stabilizers.



### AIR COOLED SERVO STABILIZER

Servotech's Air-cooled Servo Stabilizer is a device with three-phase air cooling available with capacities ranging up to 250kVA. This environment-friendly, cost-effective device offers an efficiency of >95%.



### OIL COOLED SERVO STABILIZER

Servotech's Oil-cooled Servo Stabilizers change the level of voltage in a clockwise or anticlockwise manner using a strong AC synchronous motor for precise voltage management. These three-phase stabilizers have a long-lasting motor-controlled stabilization technology that ensures safe voltage delivery.

# Air & Oil Cooled Servo Stabilizer

## Technical Specifications

| TECHNICAL PARAMETERS                                    | SINGLE PHASE   | THREE PHASE        | CUSTOMIZED                  |
|---|--|--------------------|-----------------------------|
| Rating : 2 kva to 2000 kva                              | 2 KVA to 60 KVA  | 10 KVA to 2000 KVA |                             |
| Input Voltage Range                                     | 195 V – 280 V AC   | 340 V – 480 V AC   | As per client requirement   |
|   | 170 V – 280 V AC   | 300 V – 480 V AC   |                             |
|   | 155 V – 280 V AC   | 270 V – 480 V AC   |                             |
|   | 140 V – 280 V AC   | 240 V – 480 V AC   |                             |
|   | 110 V – 280 V AC   | 190 V – 480 V AC   |                             |
|   | 100 V – 280 V AC   | 175 V – 480 V AC   |                             |
| Output Voltage  | 230 V  | 400V               | Yes                         |
| Output Adjustable                                       | 220 – 240 V AC)  | 380 – 415 V AC     | Yes                         |
| Output Regulations                                      | ± 2%   | ± 2%               | Yes                         |
| Type  | Unbalanced Type  |                    | Yes                         |
| Insulation  | Class A / Class B  |                    | Yes                         |
| Vector Group  | Star / Star , 3 Phase + Neutral                                  |                    | Yes                         |
| Frequency Hz  | 47 Hz -53 Hz   |                    | Yes                         |
| Nature of Cooling                                       | Air Cooled Servo Stabilizer                                      |                    | Yes                         |
|   | Oil Cooled Servo Stabilizer                                      |                    | Optional                    |
| Construction  | Variable Auto Transformer + Buck Boost Transformer + Servo Motor |                    | Yes                         |
| Effect of Power Factor                                  | Nil  |                    | Yes                         |
| Wave Form Distortion                                    | Nil  |                    | Yes                         |
| Control Circuit   | Micro Controller Based Digital Circuit and Control               |                    | Yes                         |
| Response Time   | 10 ms or As per IS 9815 Standards                                |                    | Yes                         |
| Voltage Correction Rate for Air Cooled Servo Stabilizer | 15 -20 Volts / Sec   |                    | Yes                         |
| Voltage Correction Rate for Oil Cooled Servo Stabilizer | 8 -12 Volts / Sec  |                    | Yes                         |
| Metering  | Seven Segment Display  |                    | Yes                         |
| General Efficiency of our Servo Stabilizer              | Better than 95 % or As per IS 9815 Standards                     |                    | Yes                         |
| Ambient Temperature                                     | 0 – 55 Degree C  |                    | Yes                         |
| Protection  | Under / Over Voltage Cut off Protection                          |                    | Yes                         |
|   | Single Phase Prevention  |                    | Yes                         |
| Optional Protection                                     | Overload / Short Circuit Protection                              |                    | Optional                    |
|   | Manual Bypass – Changeover                                       |                    | External In Higher Capacity |
|   | Input MCB/MCCB   |                    | Optional                    |
| Installation Type                                       | Indoor   |                    | Yes                         |
|   | Outdoor  |                    | Optional                    |

\*Due to continuous improvement technical specifications & product image can change without prior notice.



# INDIA'S MOST TRUSTED



# रहो रेशन बिना टेंशन...

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**Safiabad Plant:** Killa No. 14/6/1/2 (0-3), 6/2/3 (5-13) Village-Safiabad, Pana Paposhian, Rai, Sonipat, Haryana-131029

