



VIHAAN STABILIZER

Precision Power. Total Protection.

INDUSTRIAL PRODUCT CATALOG

A Product of **V S POWERS**, Rajkot

ISO 9001:2015 Certified Manufacturing

High Efficiency | Heavy Duty Build | Fast Support
Specialized in Servo Voltage Stabilizers & Industrial Transformers

Contact Information

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Samrat Industrial Area, Gondal Road, Rajkot, Gujarat

1 About V S POWERS

Located in the industrial hub of Rajkot, Gujarat, V S POWERS is a premier manufacturer of high-performance power conditioning equipment under the brand name **VIHAAN**. Our state-of-the-art facility merges high-grade materials with advanced engineering to ensure rugged durability for demanding industrial environments.

1.1 Our Commitment to Quality

- **99.9% Pure Electrolytic Copper:** We prioritize longevity and efficiency by using pure copper for all our windings as standard.
- **Zero-Defect Quality Policy:** Every Vihaan unit undergoes strict load testing and dielectric strength inspections before leaving our facility.
- **Custom Engineering:** We specialize in tailored input ranges (as low as 90V) and specialized output voltages to match imported or sensitive machinery.

2 Product Portfolio

2.1 Three Phase Servo Voltage Stabilizer

Designed for heavy industrial loads and continuous 24/7 operations. Our 3-phase units provide balanced and individual phase correction to ensure total protection for CNC and VMC machinery.

- **Capacity:** 10 KVA to 500 KVA
- **Key Features:** Digital monitoring, Auto-Correction, and phase reversal protection.

2.2 Single Phase Servo Voltage Stabilizer

Engineered for high-end residential use, medical diagnostics, and critical IT infrastructure where precise voltage is a necessity.

- **Capacity:** 1.0 KVA to 25 KVA
- **Accuracy:** Stable $\pm 1\%$ output even with wide input fluctuations.

2.3 Industrial Transformers

Reliable power transfer solutions including Isolation and Step-Up/Down configurations.

- **Capacity:** Up to 1000 KVA
- **Technology:** CRGO Lamination Core with Class F/H insulation.

Parameter	Single Phase (VS-1P)	Three Phase (VS-3P)
Capacity Range	1.0 KVA to 25 KVA	10 KVA to 500 KVA
Input Voltage (Std)	170V - 270V AC	340V - 460V AC
Input Voltage (Wide)	140V - 270V AC	280V - 430V AC
Output Voltage	230V AC $\pm 1\%$	400V/415V AC $\pm 1\%$
Correction Rate	> 35V per second	> 35V per second
Efficiency	> 97% at full load	> 97% at full load

Air Cooled (VS-A)

Ideal for clean, indoor environments.
 Low maintenance and compact size.
 Best for Labs, IT, and Offices.

Oil Cooled (VS-O)

Built for dusty, humid factory floors.
 Extreme heat dissipation for high loads.
 Mandatory for 24/7 Heavy Industrial use.

3 Technical Datasheet

3.1 Servo Voltage Stabilizers (VS-SERVO Series)

3.2 Cooling Systems Comparison

4 Maintenance & Longevity

To ensure the longevity and peak performance of your Vihaan Stabilizer, we recommend the following periodic maintenance schedule.

Task	Frequency	Check For
Visual Monitor Check	Daily	Correct Output Voltage ($\pm 1\%$ accuracy)
Clean External Body	Monthly	Accumulation of dust in air vents
Internal Inspection	Quarterly	Tightness of terminal connections
Carbon Brush Check	Bi-Annually	Wear and tear; replace if 50% worn
Oil Quality Check	Yearly	Sludge or moisture (for Oil Cooled units)