The Trusted Indian Brand For Power Solutions

AIRKOM®

# STATIC VOLTAGE STABILISER

## SVS SERIES - 10 kVA - 300 kVA 3 PHASE









### IGBT BASED PWM TOPOLOGY FASTEST CORRECTION SPEED OF 20 MILLISECONDS

*AIRKOM STATIC VOLTAGE STABILISER PROVIDES INSTANTANEOUS VOLTAGE CORRECTION & POWER TO A NEW GENERATION OF MACHINES THAT ARE SENSITIVE TO EVEN SMALL VOLTAGE FLUCTUATIONS. IGBT BASED PWM TOPOLOGY PROVIDES HIGH SPEED & PRECISE VOLTAGE CORRECTION WITH 20 MILLISECONDS CORRECTION TIME.*

*THE AIRKOM STABILISER USES A NEW SWITCHING TOPOLOGY WHERE PWM IS MADE DIRECTLY IN AC-TO-AC SWITCHING, WITHOUT ANY HARMONIC DISTORTION. OUR AC-AC PWM TOPOLOGY OFFERS SIMPLICITY IN DESIGN AND RELIABILITY IN OPERATION DUE TO LOWER COMPONENT COUNT AND IMPROVES THE EFFICIENCY AND RELIABILITY.*

Metro
Medical
Lab
Security
Network
Industrial
Telecom
Data Center

### SALIENT FEATURES

- Ultra fast response and almost instant correction.
- IGBT based PWM technology.
- Rugged and no moving parts.
- Higher accuracy (±1 V) without hunting.
- Full proof OV, UV & Overload smart and fast cut-off system.
- Zero waveform distortion or transient generation
- Less weight & floor space and no regular maintenance.
- Attractive user friendly display.
- Inbuilt surge protection Class B+C.
- Automatic Bypass with UV & OV protection.
- Conventional features are un-compromised like..
  - » Single phasing & Phase reverse protection,
  - » Auto-Manual Restart option.
  - » Timed switching ON option.
  - » Initial switching overload bypass.
  - » Manual by-pass for emergency.
  - » Short circuit protection thru MCB/MCCB.
  - » Output cut-off protection thru contactor.



**Airkom Electronics Pvt Ltd is a leading provider of power protection product and service solutions including Servo Stabilizer, Static Stabilizer, Online UPS, Inverter, Ultra Isolation Transformer, Electrical Control Panel, APFC Panel, Power Saver Unit, Solar Power Pack System, Battery banks etc.**

**Part of the Airkom Group, Airkom Electronics Pvt Ltd has established an enviable reputation based on passion, quality, innovation, reliability and integrity for power protection technology, service excellence, complete customer satisfaction and confidence unmatched within the industry.**

**Airkom has a diverse customer base which includes the Telecom, Textile, CNC & Automobiles, Petroleum, Retail Chain, Printing, Packaging, Medical, IT, Financial services, Government and other manufacturing industries.**

### UNMATCHED BEST-IN-CLASS EXTENDED SUPPORT

Airkom comprehensive warranty & AMC is the best in the industry. At Airkom, we stand behind the products we build. That's why we have the longest, most comprehensive extended warranty/AMC** in the business, offering up to 5-year, including both spares & labour. **Warranty details available at www.airkomgroup.com

PAN INDIA REACH

- Servo Controlled Voltage Stabilizer
- Static Voltage Stabilizer
- Static Frequency Voltage Regulator
- True Online UPS
- Static UPS / Inverter
- Ultra Isolation & K-Rated Transformer
- Constant Voltage Transformer
- APFC Panel
- Electrical Control Panels
- Solar Roof-Top System
- Solar PCU / Inverter
- Energy Saver Unit

CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001:2015

20 YEARS Since 2003

SPECIFICATION

## STATIC VOLTAGE STABILISER

| | |
|---|---|
| Product | Static Voltage Stabilizer |
| Capacity (KVA) | 10 to 300 kVA, 3 Phase |
| Nature of Cooling | Aircooled |
| Type of stabilizer | Suitable for unbalanced loads and Input voltages |
| Make | Airkom |
| Duty Cycle | Continuous |
| Stabilizer Type | IGBT Based PWM Technology |
| Nominal output voltage | 415 V, Internally settable to 400/380 V |
| Input voltage range at 400 V output voltage | Model 1 : 310 – 480 Volts |
| | Model 2 : 340 – 480 Volts |
| | Model 3 : 360 – 460 Volts |
| Input frequency range | 47 – 53 Hz |
| Output voltage regulation | ± 1% of nominal output voltage |
| Type of Connection | Star - R, Y, B, N & G |
| Average Speed of correction | Almost instantaneous as ≥ 4000 V/Sec |
| Response time | Less than 10ms |
| Efficiency | Better than 98% |
| Metering | VAF Digital Meter ( I/p & O/p Voltage, Amps & Freq ) |
| Resolution & accuracy of digital voltmeter | With accuracy Class 1.0 |
| Electronic under/over voltage cut off | |
| - Over Voltage | 20 ± 4 V above nominal |
| - Under Voltage | 40 ± 4 V below nominal |
| Electronic overload cut off | Operative above 110% of the rated Output current with graded time delay |
| Single phasing prevention | Provided |
| Short circuit protection | Provided |
| Stabilizer By-pass Switch | Provided |
| EMI/RFI-Filter | Equipped with EMI/RFI Filtering for proper operation |
| Surge Protection | Inbuilt Class 2 Surge Protection |
| Waveform Distortion | Nil |
| Opearting Temperature | Up to 50° C |
| Output ON Time delay | Standard 15 seconds (Internal settable 3 minutes) |
| Resetting mode | Automatic restart with option for Manual Restart |
| | |
| Guarantee | 1 Year "No Question's Asked" Guarantee |
| Housing | Rack with pleasing aesthetics and metal wheels designed to protect against ingress of foreign particles. |
| Input / Output terminations | 8 – way terminal connector for cable terminations and plates for fixing cable glands. |
| Installation requirements | I/p & O/p cables and other accessories to be provided by the customer. |

## Power Back-Up Solutions

TRUE ONLINE UPS
STATIC UPS
INVERTER
LIFT UPS




## Power Conditioning Solutions

SERVO VOLTAGE STABILIZER
STATIC VOLTAGE STABILIZER




## Isolation & K-Rated Transformer



## Renewable Energy Solutions

SOLAR ROOF-TOP SYSTEM
SOLAR PCU / INVERTER



## Electrical Control Panels

APFC PANELS
ELECTRICAL MCC / PCC PANELS



We pursue a policy of continuous development & product improvement. Specifications & front panel controls, may be subject to change, without notice.

V2 20092018

For more product information please contact us:

**AIRKOM ELECTRONICS PVT. LTD.**

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PAN INDIA REACH

**Our Sales & Service Network :**

| | | | |
|---|---|---|---|
| Ahmedabad | Delhi | Kolhapur | Raipur |
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20 YEARS Since 2003