



ISO 14001:2004 &
ISO 9001:2008 Co.

Automatic Servo Controlled AC Voltage Stabilizer

‘Hindustan Power Products (P) Ltd’.

Technical Specifications - Model SVS32A3100

Rating	: 100kVA (100kW at unity power factor), 3 Phase
Output Current	: 144.30 Amps per phase
Input Voltage Range	: 320V to 460V, 47Hz to 53Hz, 4 Wire
Output Voltage	: 400V +/- 1%
Duty Cycle	: Continuous 24x7
Waveform Distortion	: Nil
Response Time	: Less than 10ms
Suitability	: Suitable for all power factor loads
Cooling	: Natural Air Cooled
Class of Insulation	: B Class
Breakdown Strength & IR	: 1500V AC for 2 minutes. Greater than 50 Mega Ohms at 500V DC
Additional Facility	: Manual Operation
Installation	: Indoor type
Degree of Protection	: IP-30
No Load Loss	: Less than 0.4%
Efficiency	: 98-99%
Applicable Standard	: IS 9815
Type & Suitability	: Unbalanced Supply and Load. Suitable for 3 phase Unbalanced / Balanced Supply & Unbalanced/Balanced Load. : The unit consists of 3 nos. Single phase individually AC servo motor controlled units of 1/3rd of the total capacity connected in Star configuration.
Major Assembly	: 3 Nos. Copper Wound Variable Auto Transformers. : 3 Nos. Copper wound buck / boost Transformer. : 3 Nos. Heavy duty AC synchronous motor for individual phase correction. : 3 Nos. Control circuits for individual phase control.
Input / Output Termination	: On Brass studs / Connectors.
Winding & Wiring Material	: Copper EC grade (99.999% Pure)
Size in mm	: 700X600X1400
Weight in kg	: 406.00



Optional Features and Protections

- * Overload Cut-Off and Short Circuit Protection.
- * Low/High Voltage (out of input range) Alarm and/or Cut-Off.
- * Single Phase Prevention / Phase Reversal Alarm and/or Cut-Off.
- * Digital Multifunction Meter.

Salient Features

- * “IC” based solid-state, relay less, front-loading plug in control cards for easy online serviceability.
- * Output voltage adjustable $\pm 6\%$ of set voltage from front panel.
- * Meters on front panel for easy monitoring of input and output voltage along with limit indicators.
- * Provision for Auto / Manual control from the front panel.
- * Wide ambient temperature operation from -20°C to 50°C .