



ISO 14001:2004 &
ISO 9001:2008 Co.

Automatic Servo Controlled AC Voltage Stabilizer

'Hindustan Power Products (P) Ltd'.

Technical Specifications - Model SVS34A3150

Rating	: 150kVA, 3 Phase
Output Current	: 217.30 Amps per phase
Input Voltage Range	: 340V to 460V, 47 - 53Hz, 4 Wire
Output Voltage	: 400V +/- 1%
Duty Cycle	: Continuous 24x7
Cooling	: Natural / Forced Air Cooled
Waveform Distortion	: Nil
Response Time	: Less than 10ms
Suitability	: All power factor loads
Class of Insulation	: B Class
Breakdown Strength	: 1500V AC for 2 minutes.
Insulation Resistance	: < 50 Mega Ω 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 & 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 / Copper Busbar.
Winding & Wiring Material	: Copper EC grade (99.999% Pure)



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.

Due to new innovations & improvements the technical specifications are subject to change.