VERTEX SERVO STABILISER
SINGLE PHASE - AIRCOOLED/OILCOOLED
1 kVA – 20 kVA

SALIENT FEATURES:

- Microcontroller (DSP) based control system
- LCD Displays – Input & Output Voltage, Frequency and % Loading
- User adjustable setting of O/P Voltage, High/Low cut-off limits & Manual / Auto Restart time delay, with great accuracy
- Higher response time through its Microcontroller design
- Cut-off protection with graded time delay

Vertex Power Solutions Pvt. Ltd., is managed by a team of Engineers with over 25 years of experience in the field of Power conditioning Equipment. The Products are manufactured at Chennai, under the brand name of VERTEX.

VERTEX, through its quality products & service, has made its presence felt in various segments like Textile, Telecom, Engineering & Automobile, Printing, Packaging, Medical, Analytical, Audio/Video, IT, etc.

Single Phase Servo Stabilisers are used to protect the sensitive equipment from voltage fluctuations caused due to switching ON/Off of heavy machinery, load distribution on the transformers, etc. Under varying voltage conditions the sensitive equipments like medical, analytical, audio/video, Computers, etc malfunction or can be damaged. VERTEX Stabiliser provides constant output voltage, 220 /230 volts with a tolerance of +/- 1% with high/low output voltage cut-off and overload cut-off. This ensures smooth operation and longer life for the equipments.

Oilcooled stabilisers find their applications in industries like Spinning & Garment which are used to prevent the ingress of dust and foreign particles.

APPLICATIONS:

Textile, Garment, Packaging, Medical, Analytical, UPS (bypass), Audio-Video, Printing, CNC machines, Offices/Commercial Complexes, etc.

TECHNICAL SPECIFICATIONS – VERTEX SERVO STABILISER

Type of Stabiliser	Single Phase Stabiliser
Type of Application	Indoor Application
Type of Design	Servo Stabiliser with O/P sensing feed-back system
Type Of Cooling	Aircooled
Servo Motor Type	Opto Coupler based Triac drive
Servo Motor Drive	A.C. Synchronous Stepper Motor
Input Voltage Range	170 V - 270 V
Input Frequency	47 - 53 Hz
Output Voltage	230 V ; Adjustable 220 V OR 240 V(L - N)
Output Voltage Regulation	± 1 %
Control Design	Microcontroller (Digital Signal Processor) based system
Waveform Distortion	NIL (Output Waveform same as Input Waveform)
Effect of Load PF	NIL (Effect of Load PF on Output Voltage is Nil)
Correction speed	30 V/ Sec
Efficiency	≥ 98%
Under / Over Voltage Cut Off	Upper Limit +5%, Lower Limit -10% of O/P nominal Voltage
Short Circuit Protection	HRC Fuse at Input (OR) MCB
Over Load Protection	Operative above 110% of rated output current
Reset	Auto restart / Manual restart (User Settable)
Display Type	Backlight LCD Display
Parameters Displayed	I/P & O/P Voltage, Hz, Current
Front Panel Indications	LED Indication for – Input Present, Output Normal
Front Panel User Interface	MENU, UP/DOWN KEY, ENTER/SET KEY
Input / Output Connection	Input Cable / Output Sockets
Emergency Manual Bypass	Optional
Output Relay / Contactor	Built-in
Transient Protection	MOV with RC Filter on Request
EMI / RFI Filter	Optional
Ambient Temperature	0 to 50° C
Standard kVA Ratings	1 kVA to 20 kVA
Design Standards	As per IS:9815

Specifications are subject to change without notice, on account of development in product design

Custom Designed: Stabilizers of more than 20 kVA are also available with wider / shorter input voltage range & also with special output voltage, as per customer requirements.

J S Power Services

No. 2-16-91, Prashanth Nagar, Hyderabad-500039, Telangana, India.

Mob: 9492972375 / 9391327071 Email: jspowerss@gmail.com