



**Aircooled Stabilisers**

**Oilcooled Stabiliser**

**VERTEX Microcontroller Based True RMS Stabiliser:**

- Corrects & Measures the TRUE RMS voltage. The sampling rate of the system is very high. It ensures a correct voltage fed to you equipment.
- LCD Display to read (TRUE RMS) basic electrical parameters like Output Voltages (L-L & L-N) Output Current (R/Y/B) & Frequency.
- User adjustable setting of O/P Voltage, % O/P Regulation, High/Low cutoff limits & Manual / Auto Restart time delay, with great accuracy.
- Higher response time through its micro controller design.
- Overload trip with graded time delay.

**Vertex Power Solutions Pvt. Ltd.,** is managed by a team of Engineers with over 20 years of experience in the field of Power conditioning Equipment. The Products are manufactured at Chennai, under the brand name of **VERTEX**.

The company is always motivated by new innovations and upcoming technologies and hence there is a constant endeavour to update and enhance the existing products with respect to that of the best technologies available in the market.

**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, Granite, etc.

**Product Range:**

- Servo Controlled Voltage Stabilisers
- Un-interrupted Power Supplies (UPS)
- Ultra Isolation Transformers (UIT)
- Constant Voltage Transformers (CVT)
- RFI/EMI Filters & Surge Arresters

**Applications:**

- Textile Machinery /Embroidery Machines
- Medical / Analytical Equipments
- CNC Machines
- Telecom Equipment
- Packing / Printing Machines

<b>VERTEX™ SERVO STABILISER</b>	
<b>TECHNICAL SPECIFICATIONS:</b>	
<b>MODEL</b>	<b>THREE PHASE</b> Rating 1 kVA - 100 kVA (Aircooled) 3 kVA – 500 kVA (Oilcooled) <b>INDOOR APPLICATION</b>
<b>INPUT</b>	
Type of Design	Servo Stabiliser with O/P sensing feed-back system
Type Of Cooling	Natural Aircooled
Drive	A.C. Synchronous Stepper Motor
Nominal Voltage	340 V - 460 V / 310 V - 480 V / Custom made also available
Nominal Frequency	Three Phase 50Hz ± 6%
<b>OUTPUT</b>	
Control Design	Microcontroller (Digital Signal Processor) TRUE RMS
Nominal Voltage	415 V
Regulation	± 1 %
Frequency	Same as Input Frequency
Correction speed	48 V/ Sec (L – L)
Waveform Distortion	Nil (Output Wave form Same as Input wave form)
Efficiency	≥ 97%
Effect of Load PF	Effect of Load Pf on Output Voltage is Nil
<b>PROTECTION</b>	
Voltage Cut Off	User Settable
(On Nominal Output Voltage)	(Default Factory Setup: Upper Limit +5%, Lower Limit -10%)
Short Circuit	HRC Fuse at Input
Over Load	Operative above 110% of rated out put current - <b>Graded Time Delay</b>
Single Phasing Prevention	By Voltage Sensing method
Reset	Autostart / Manual Start (User Settable) Autostart programmable from 1 Sec - 998 Sec
<b>ANNUNCIATION</b>	
Display Type	Backlight LCD Two Line Display
Parameter	O/P Voltages (Ph-Neutral & Ph – Ph), Frequency, Output Currents (R/Y/B)
Front Panel Indications	<b>LED Indication for</b> Input Present Output Normal
<b>CONNECTION</b>	
Input/Output Connection	7 Way terminal Connector
Stabiliser Bypass	Built in Upto 50 kVA (> 50 kVA Optional)
<b>ENVIRONMENTAL</b>	
Ambient Temperature	0 to 45° C

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

**Head Office & Factory:**

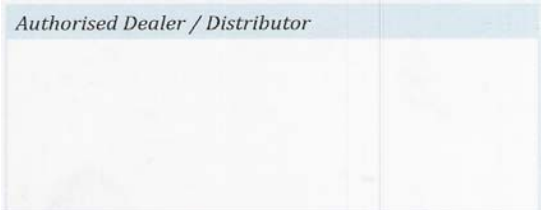
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