

Nantech Power Systems Private Limited...

Three Phase Servo Voltage Stabilizer...

Ultimate Power Solution



Features:

Micro Controller DSP Based Control Systems

Higher Response Time

Cut-off Protection with time delay

True RMS Voltage Sensing & Correction

Digital Display



Established in the year 1996, our organization, 'Nantech Power Systems Pvt Ltd' is counted amongst the responsible manufacturers and suppliers of Online UPS, Line Interactive UPS, Inverters, Servo Stabilizers, Power Factor Controllers, Harmonic Filters and Constant Voltage Transformer.

The advanced line of electrical equipment's that we offer is used extensively in both commercial as well as domestic sectors. Clients recognize our products for their enhanced performance, high efficiency and long maintenance-free servicing life.

Servo Voltage Stabilizer:

Our Three Phase Servo Stabilizers 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.

Our Stabilizer uses a Microcontroller (DSP) control system to provide a steady voltage and also protects the machinery from under/over voltage, overload, single phasing and phase reversal conditions.

These stabilizers are used for various kinds of machinery like CNC, Textile, CT Scans, Printing, Packaging, Freezers, Textile, Garment, Packaging, Medical, Analytical, UPS (bypass), Printing, CNC machines, Lifts, Centralized AC, Telecom (GSM towers), Petrol Bunks, Residential, Food processing, Offices/Commercial Complexes etc.

Technical Specification

Standard kVA Ratings	1kVA – 500kVA
Type of Stabilizer	Three Phase Stabilizer
Type of Design	Servo Stabilizer with O/P sensing feed-back system
Servo Motor Type	Opto Coupler based Triac drive
Servo Motor Drive	A.C. Synchronous Stepper Motor
Input Frequency	47 - 53 Hz
Output Voltage	415 ; Adjustable 380 V OR 400V (L - L)
Output Voltage Regulation	± 1 %
Control Design	Microcontroller (Digital Signal Processor) based system
Voltage Sensing & Correction	True RMS Sensing & Correction
Waveform Distortion	Output Waveform same as Input Waveform
Correction speed	70 V/Sec
Under / Over Voltage Cut Off	Upper Limit +5%, Lower Limit -10% of O/P nominal Voltage
Short Circuit	HRC Fuse at Input (OR) MCB (OR) MCCB
Over Load	Operative above 110% of rated output current
Reset	Auto restart / Manual restart (User Settable)
Single Phasing Prevention	In-built
Phase Reversal Protection	In-built
Emergency Manual Bypass	Built-in upto 50kVA
Efficiency	≥ 98%
Display Type	2 X 16 Character LCD with Back-light
Parameters Displayed	I/P & O/P Voltage L-L, L-N, Hz, Current R-Y-B (all Phases)
Front Panel User Interface	MENU, UP/DOWN KEY, ENTER/SET KEY
Front Panel Indications	LED Indication for – Input Present, Output Normal
Ambient Temperature	0 to 50° C



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