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SERVO CONTROLLED VOLTAGE STABILIZER



POWER UNDER CONTROL

TECHNICAL SPECIFICATIONS

Rating	1 kVA to 1000 kVA
Input Voltage Range	160-260 V, Single Phase (275-450 V, 3 Ph) 140-280 V, Single phase (280-560 V, 3 Ph) 100-180 V, Single Phase (175-350 V, 3 Ph) or any other Customised Voltage Range
Output Voltage	230V AC / 240V AC Single Phase 400V AC / 415V AC Three Phase
System	Unbalanced 4 wire 3 ϕ N
Connections	Star/Delta connections
Control System	Advance Micro Controller Based
Mode of System	Fully Automatic / Manual
Operating Frequency	47 to 63 Hz
Output Voltage Adjustable	200V to 415V AC in 2 Ph 200V to 240V AC in 3 Ph
Output Voltage Regulation	\pm 1% from No Load to Full Load
Overload Capacity	120% for 30 minutes
Connection Size	\pm 40% for 30 minutes
Waveform Distortion	None
Output Waveform	True sine wave
Insulation	Class 'F'
Working Temperature	0-110 Degree Celsius
Type of Cooling	Air Natural (AN) / Oil Natural (ON) cooled
Testing Standards	As per IS: 8013 (B) - 1996

MAJOR APPLICATIONS

- CNC Machines of tools
- Bio Medical Equipments
- Printing & Packaging Industries
- Computer Labs & Telecommunication Equipments
- Central Air Conditioning units
- Banks & Branches
- Hotels, Homes, Industry & Schools
- Hospitals & Nursing Homes
- Textile Industry
- Food Processing Industry
- Chemical & Cement Plants
- Heavy Industrial, Railway & Defense
- Commercial Building & Computers etc.

PROTECTIONS

- Low Voltage Cut-off
- High Voltage Cut-off
- Overload Protection
- Single Phase Protection
- Low/High Frequency Cut-off System
- Initial Time Delay System

PANEL CONTROLS

- Input / Output select switch
- Auto / Manual select switch
- Increase / Decrease switch to control the output voltage in manual mode
- Auto adjust to set required output voltage in Auto Mode
- Low Cut-off, High Cut-off, Frequency Cut-off & Over Load
- Initial Time Delay can be programmed

PANEL INDICATIONS

Input - On Output - On
Input - Low Input - High
Output - Low Cut-off / High Cut-off /
Frequency Cut-off / Over Load Cut-off

METERING

Digital Meters for real
Input / Output Voltage
Output Current & Frequency

INPUT / OUTPUT CONNECTIONS

See Auto Connections with Load (From 1 to 5 kW, 3 Phase)
Star/Delta Connections (From 5 to 25 kW, 3 Phase & 3 Phase)
Busbar Installation (From 10 kW, 3 Phase onwards)

CERTIFICATES

Our unit is registered with the following government agencies :

- DGS & D, NEW DELHI
- NSIC Ltd, NEW DELHI
- CI, KANPUR
- MES, PATHANKOT
- MS&C REGISTRATION
- APPROVED SUPPLIER TO STATE BANK OF INDIA
- APPROVED SUPPLIER TO SYNDICATE BANK
- IEC FROM DGFT
- ISO 9001 - 2008 CERTIFIED

SERVO STABILIZER-OIL COOLED

CF&S Servo voltage stabilizer is designed to give substantially constant voltage with $\pm 1\%$ regulation without causing harmonic distortion. It essentially employs a Digital micro processor controlled circuit which controls the servo motor. The motor is coupled to the arm of a continuously variable transformer which feeds to the primary of a series control buck-boost transformer.



SERVO STABILIZER-AIR COOLED

SALIENT FEATURES

Gives 1% Regulation from No Load to Full Load

Digital Micro-processor Controlled Technology

Quick Response Time of Half A Cycle

All Transformer Designs are Computerized For Optimum Performance & low losses

Introduces Zero Wave Form Distortion

Very High Efficiency Above 98%

No Load Losses are Low

Rugged Construction.



COMPANY PROFILE

ELECTRO ENGINEERS is committed to provide its customers with total power solutions. The company commitment towards quality has always been the driving force behind the company's success and growth since its inception in 1991 and it continues to be its guideline in to the future. The various products developed by the company with relentless R&D efforts and state-of-the-art technology, are widely used in India and abroad for reliable and effective power management.

Consistency and continuous improvement are two embedded concepts in quality and without consistent execution and continual improvement, there can be no sustainability. In our house, a team of dedicated engineers and workmen are constantly striving to give best quality products using latest technology, to the complete satisfaction of the customer complying with the stipulated delivery schedule.

OTHER PRODUCTS

DIGITAL VOLTAGE STABILIZER (WALL MOUNTED)	<i>For Air Conditioners</i>
VOLTAGE STABILIZER	<i>For TV, Refrigerators, water coolers & Water Supply</i>
THREE PHASE MANUAL STABILIZER	<i>For Machines & Micro Industry</i>
INVERTERS	<i>For Domestic & Commercial Use.</i>
UN - INTERRUPTED POWER SUPPLY (UPS) OFFLINE	<i>For Personal Computers</i>
UN - INTERRUPTED POWER SUPPLY (UPS) ONLINE	<i>Computer Labs & Institutions</i>
ISOLATION TRANSFORMERS	<i>To Suppress Spikes & Surges of the line</i>
DC/DC BATTERY CHARGERS	<i>For Automatic Charging of Batteries.</i>
HIGH VOLTAGE TEST SETS	<i>For Wire & Cable Industry</i>
CUSTOMISED TRANSFORMERS	<i>For Imported Machines & Special Application</i>

POWER UNDER CONTROL

MFD. BY :

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