

SERVO CONTROLLED VOLTAGE STABILIZER

Automation that works



APPLICATIONS



Medical Equipment



Industrial Applications



Cinema Hall & Theaters



Military Facilities



Radio & TV Systems



Fuel Stations



CNC & Laser Machines etc.



Elevators & Escalators



House & Apartments

STANDARD FEATURES

- Fully Solid State Controller Operated Panel
- Independent Phase Balancing and Control
- LCD for Data Monitoring
- True RMS measurement, feedback and control
- Keypad for Parameter Setting
- Line to Line & Line to Neutral R Y B Voltage and Current Display
- Settable Trip Voltage and Current Limits
- Fault Status Display
- Under voltage / over voltage / over current protection
- Auto / Manual Operation Facility
- Healthy Power Output available indication Lamp

SERVO CONTROLLED VOLTAGE STABILIZER

Automation that works

Specifications: Three Phase Air / Oil Cooled Microcontroller Based Servo Controlled Voltage Stabilizer

Capacity	: 10 KVA to 1000 KVA
Type of Connection	: 3 Ph 4 Wires @ I/P, Star / Delta @ O/P
Input Voltage Range	: 340 – 480 VAC L-L, 300 – 500 VAC L-L (Customized Range Available)
Output Voltage	: 415 VAC L-L, +/- 1 % (Customized Output Available)
Response Time	: <10 m Sec
Rate of Correction	: Up to 35 Volts / Sec (L-N)
Frequency Range	: 45 – 65 Hz
Efficiency	: Up to 98 %
Protection	: Short Circuit / Overload Protection by MCB/MCCB @ I/P Over Voltage, Under Voltage, Over Current Trip Protection by Digitally Controlled Power Contactor @ O/P
Trip / Fault Status	: Visual Fault Frame on LCD
Single Phase Prevention	: Provided by Digital Controller
Cooling	: Air Cooled / Oil Cooled
Load Regulation	: +/- 1 % Regulation from No Load to Full Load
Ambient Temperature	: 20* C to 55* C
Correction Type	: AC Servo Based Dimmer Control by Controller Suitable for Unbalanced Load System Spare Carbon Brush Provided with Dimmer for Long Lasting Life
Enclosure	: IP 21 – IP 55
Wave Form Distortion	: NIL
Effect on Power Factor	: NIL

OPTIONAL FEATURES

- Surge arrester for line surge suppression
- Isolation transformer for noise filtering
- Audio alarm for any trip condition
- Real Time Clock for Date and Time Based Monitoring
- Energy saving features:
 - Automatic cut-off of mains at no load condition
 - RTC based auto ON/OFF of panel
- RS 232/485 communication
- Desktop Scada / Mobile Application



Control Panel



Fabrication



Electronics



Trading



Transformers



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