

STABIMATIC®

Centralized Voltage Stabilizer

A TOTAL POWER SOLUTION



Construction

- Contained in robust and well ventilated steel cabinet with cable entries finished with the durable and anti-static powder coating paint
- The larger single phase and three(3) phase models are contained in cubical type enclosure having a sustained steel frame with panels and door access to controls and connections

GLT-Series

Features

- Three Phase 40KVA to 2000KVA
- Wide Three Phase Input Voltage Range (263-497V)
- Wide Input Variation also available (Optional)
- High Speed servo motor control system
- Three (3) Phase balanced and un-balanced lined & load Soft-start system
- Ultra-high response speed, controlled response from high torque low inertia servo stem with no over shoot
- High output accuracy better than $\pm 1\%$
- High frequency (approximately 98% at full load) negligible wave form distortion
- Under voltage, over voltage and Phase failure protection
- Surge and spike protection (Optional)
- Phase sequence protection
- Input output supply indications
- Manually and automatic phase balancer bypass operation in case of system failure
- Auto reset system
- Un-effected by supply frequency
- Un-effected by load power factor
- Door safety switch to turn the power off when the door is opened and turn the power on again when the door is closed (optional)

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MODELS

GLT 40S KAV	GLT 50S KAV	GLT 60S KAV	GLT 80S KAV	GLT 100S KAV
GLT 150S KAV	GLT 200S KAV	GLT 250S KAV	GLT 300S KAV	GLT 400S KAV
GLT 500S KAV	GLT 600S KAV	GLT 700S KAV	GLT 800S KAV	GLT 900S KAV
GLT 1000S KAV	GLT 1200S KAV	GLT 1300S KAV	GLT 1400S KAV	GLT 1500S KAV
GLT 1600S KAV	GLT 1700S KAV	GLT 1800S KAV	GLT 1900S KAV	GLT 2000S KAV

TECHNICAL SPECIFICATIONS

Three (3) Phase Four(4) wire	
Input Voltage	154-286/ 266-496 (_ + 30%)
Output Voltage	220V / 380V (_ + 0 to 1%) (Can be used as single and three phase)
Frequency	50Hz / 60Hz
Response Time	Within 0.3 Sec. Against 15% input voltage deviation
Efficiency	Better then 90%
Ambient temperature	45 C
Power Factor	0.999 (99%) (At 90% load)
Quality approval/s	ISO 9002 Certified
Safety approval	CE / UL
Alarms	Audible and visual
Relative Humidity	Less than 90%
Cooling system	Cross air ventilated (Adequate Louvers all around the AVR Cabinet)
Waveform	Pure Sine Wave
Waveform distortion	Additional waveform distortion of output voltage < 196 no waveform distortion
Electromagnetic noise	< 30 db (at1 meter)
Volt / Amp indications	Square 3" x 3" analog type (input Output) V/Amp Meters
Control system	High speed servo motor system
Insulation resistance	More than 5M Ohm
Dielectric strength	Tested at AC 1500 volts form 1 min.

CENTRALIZED APPLICATION

- Centralized Application
- Hospitals
- Medical / QC Laboratories
- Small & Large Size Offices
- Modern Banking Power System
- Independent Bungalows

- Apartments
- Community Residential Complexes
- Shopping Malls
- Hotels
- Split AC Unit / Window AC
- Centralized Cooling Plants
- Schools / Colleges / Universities

- Sports Complexes
- Light & Heavy Industries
- Textile Mills / Embroidery Units
- Radio / TV Statins
- Air-Ports / Sea Ports
- Weather fore-cast Facilities
- Military installations / facilities

www.stabimatic.com