

1 ~ 2000 kVA Microprocessor Controlled Servo Voltage Stabilizer

TRANSPORT
COMPANIES



INDUSTRIAL
FACILITIES



CINEMA &
THEATERS



MILITARY
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INDUSTRIAL
APPLICATIONS



RADIO & TV
SYSTEMS



FUEL
STATIONS



HOUSE AND
APARTMENTS

GENERAL FEATURES

- Advanced Technology
- High Performance via RISC Microprocessor Control
- Wide Power Options for Mono Phase / Three Phase Systems
- Wide Input Voltage Range
- True RMS Measurement, Feedback and Control
- Best in Class with 70-200 V/s Regulation Speed
- High Efficiency Up To 98%
- Independent Control Panel for Each Phase
- Selectable Output Max/Min Voltage
- Temperature Controlled Smart Cooling
- Short Circuit Protection,
- Ease of Transfer of Load to Utility via Manual By-Pass
- Automatic Deactivate/Reactivate in Abnormal Conditions
- Independent/Together Operation of Phases
- High Performance Even on 100% Unbalanced Load
- Silent Operation
- Compact/ Impact Resistant

- %100 Made in**
- Environment Friendly Design**
- Small Dimensions**
- Easy Installation/Maintenance and Service**
- Low Installation and Operational Costs**
- 10 Years Spare Part Availability**
- 7/24 Technical Service and Customer Services**

OPTIONAL FEATURES

- Overload, High/Low Voltage, Over Temperature Protection
- 1024 pcs Alert/Event Memory
- Custom Design and Production for Client' s Need

STANDARDS

CE, ISO 9001:2008

*Uninterrupted Power
Uninterrupted Service*



Microprocessor Controlled Servo Voltage Stabilizers

SUPERIOR FEATURES

Servo Regulators are microprocessor controlled advanced technology stabilizers and operation technology is based on Pulse Width Modulation.

Microprocessor and Pulse width modulation provides enhanced control on the servo motor and this offers the best dynamic response to the input disturbances and increases the speed for the system. The design provides extended lifetime for the system and reduces total cost of ownership.

Each phase is controlled independently so that the load connected to the output is supplied continuously even if there exists unequal voltages in phases and unbalanced load at input and output.

100% made in and all the components inside has international certificates and compatible with international standards, 2 years standart warranty and 10 years spare parts availability is what comes with SERVO-REG Series stabilizers

TECHNICAL SPECIFICATIONS

MODEL	Microprocessor Controlled	
Phase	1 Phase	3 Phases
Power	1 ~ 50 kVA	3 ~2000 kVA
INPUT		
Regulation Voltage Range	165 - 255 VAC	285 - 440 VAC
Operating Voltage Range	130 - 270 VAC	225 - 465 VAC
Frequency	45-65 Hz	
OUTPUT		
Nominal Voltage	220 VAC RMS	380 VAC RMS
Voltage Tolerance	± 1% (Selectable Between 1-8%)	
Frequency Range	45-65 Hz	
Regulation Speed	70 - 200 V/s	
THDv	0%	
Overload Operation	1 second at 150% load / 1 milisecond at 200% load	
GENERAL		
Technology	Microprocessor Controlled, Full Automatic Servo	
Control	RISC Microprocessor, H-Bridge MOSFET PWM Motor Drive Technics	
Independent Phase Regulation	Standard in 3 Phase Models	
Efficiency	98%	
Cooling	Temperature Controlled Cooling System	
Protection	Output Short Circuit, Overload, Output High / Low Voltage, Over Temperature, Motor Fault, Ground-Neutral (Optional) Protection	
Mechanic By-Pass	Manual Mains/Regulator Breaker	
CONTROL PANEL		
Display	2x16 Character LCD Display, Special LCD for each phase (Optional)	
Alert / Event Memory	Mimic Diagram, Fault Warning LEDs / Real Time 1024 pcs Event/Alert Memory	
Monitorable Datas	True RMS Input/Output Voltage, Load Percentage, Frequency Measurement	
COMMUNICATION		
Dry Contacts (Optional)	Regulator Normal Operation (NO,C,NC); High/Low Output Voltage Warning (NO,C,NC)	
Remote Monitoring (Optional)	over Netwok/LAN (Optional)	
ENVIRONMENT		
Operating Temperature Range	0 °C ~ 40 °C	
Relative Humidity	< 95% (Non-Condensing)	
Noise	<45 dB	
Altitude	≤ 3000 m	
Protection Class	IP20	
STANDARDS		
International Standards	CE, ISO-9001	

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