

SERVO-REG Series

1 ~ 2000 kVA Microprocessor Controlled
Servo Voltage Stabilizer

TRANSPORT
COMPANIES



INDUSTRIAL
FACILITIES



CINEMA &
THEATERS



MILITARY
FACILITIES



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 40-200 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 TURKEY

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
2x16 LCD display, mimic diagram
1000 pcs Alert/Event Memory
Custom Design and Production Based on Client' s requirement
Intelligent cooling system

STANDARDS

TS EN 60335-1

*Uninterrupted Power
Uninterrupted Service*



SUPERIOR FEATURES

SERVO-REG MC Series 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.

SERVO-REG Series are 100% made in TURKEY and all the components inside has international certificates and compatible with international standards, 1 year standart warranty and 10 years spare parts availability is what comes with SERVO-REG Series stabilizers

TECHNICAL SPECIFICATIONS

MODEL	Microprocessor Controlled SERVO-REG	
Phase	1 Phase	3 Phases
Power	1 ~ 50 kVA	3 ~2500 kVA
INPUT		
Regulation Voltage Range	160 - 250 VAC / 130 - 270 VAC	275 - 440 VAC / 225 - 465 VAC
Operating Voltage Range	140 - 265 VAC / 110 - 285 VAC	240 - 460 VAC / 190 - 490 VAC
Frequency	45-65 Hz	
OUTPUT		
Nominal Voltage	220 VAC RMS	380 VAC RMS
Voltage Tolerance	± 1% (Selectable Between 1-5%)	
Frequency Range	45-65 Hz	
Regulation Speed	40 - 200 V/s	
THDv	0%	
Overload Operation	10 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	Forced cooling / Temperature Controlled Cooling System (optional)	
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	Special LCD for each phase	
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)	
Remote Monitoring (Optional)	Remote monitor over Netwok/LAN (Optional)	
ENVIRONMENT		
Operating / Storage Temperature Range	-10 °C ~ 50 °C / -15°C ~ +55°C	
Relative Humidity	0% ~ 95% (Non-Condensing)	
Noise	<50 dB (from 1 meter distance)	
Altitude	≤ 2000 m	
Protection Class	IP21 IP56 (Optional)	
STANDARDS		
International Standards	ISO 9001, CE, EN 60335-1	

SERVO-MATİK Elektronik Sistemler San. Tic. Ltd. Şti. keeps the right to change the information on this document without any notice.

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