



(10,5-500 kVA)

Servo Mikro İşlemcili Trifaze Regülatör / AVR Triphase Regulator

LeGa 33 Servo Regulator/Stabiliser

33

Genel Özellikler

- * İleri teknoloji ürünü,
- * RISC mikroişlemci kontrolü ile yüksek performans
- * Tek fazlı ve üç fazlı sistemlerde geniş güç seçenekleri
- * Geniş giriş gerilim aralığı
- * Gerçek RMS ölçme, geri besleme ve kontrol
- * 70-200 V/s düzeltme hızı ile sınıfının en iyisi
- * %98'e varan yüksek verim
- * Her faz için bağımsız kontrol paneli
- * Ayarlanabilir çıkış maksimum/minimum gerilimi
- * Isı kontrollü akıllı soğutma
- * Kısa devre koruması,
- * Manuel By-Pass ile yükü sebekeye kolayca aktarma
- * Anormal durumlarda devreden çıkma tekrar devreye girme
- * Fazları birlikte veya bağımsız çalıştırabilme
- * %100 dengesiz yükte yüksek performans
- * Kompakt yapı, Sessiz çalışma
- * Darbelere karşı dayanıklı
- * Aşırı yük, yüksek/düşük gerilim, aşırı ısı korumaları
- * 1024 adet uyarı/olay hafızası
- * Özel ihtiyaca göre tasarım ve üretim

Opsiyonel Özellikler

- * SNMP ile gelişmiş uzaktan izleme ve yönetim seçeneği

Standartlar

- * CE, ISO 9001:200



General Features

- * Advanced Technology
- * High Performance via RISC Microprocessor Control
- * Wide Power Options
- * 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
- * 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 Temp. Protection
- * 1024 pcs Alert/Event Memory
- * Custom Design and Production for Client' s Need

Standards

- * CE, ISO 9001:2008



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Republica Moldova, MD-2023
mun. Chişinău, str. Uzinelor 90, of. 207
+ /373/ 67 707 707
office@etop.md
www.etop.md



3 Phases	
Power kVA	10,5 15 22,5 30 45 60 75 100 120 160 200 250 300 400 500
INPUT	
Regulation Voltage Range	285 - 440 VAC
Operating Voltage Range	225 - 465 VAC
Frequency	45-65 Hz
OUTPUT	
Nominal Voltage	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, EN 62040-1, EN 62040-2, EN 62040-3, EN 60950



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