

## 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





3 Phases															
Power kVA	10,5	15	22,5	30	45	60	75	100	120	160	200	250	300	400	500
<b>INPUT</b>															
Regulation Voltage Range	285 - 440 VAC														
Operating Voltage Range	225 - 465 VAC														
Frequency	45-65 Hz														
<b>OUTPUT</b>															
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														
<b>GENERAL</b>															
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														
<b>CONTROL PANEL</b>															
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														
<b>COMMUNICATION</b>															
Dry Contacts (Optional)	Regulator Normal Operation(NO,C,NC); High/Low Output Voltage Warning (NO,C,NC)														
Remote Monitoring (Optional)	over Netwok/LAN (Optional)														
<b>ENVIRONMENT</b>															
Operating Temperature Range	0 °C ~ 40 °C														
Relative Humidity	< 95% (Non-Condensing)														
Noise	<45 dB														
Altitude	≤ 3000 m														
Protection Class	IP20														
<b>STANDARDS</b>															
International Standards	CE, EN 62040-1, EN 62040-2, EN 62040-3, EN 60950														