(10,5-500 kVA)

33

AVR Triphase Regulator

LeGa 33 Servo Regulator/Stabiliser

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
* Temparature 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

Standartds

* 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
Current A										185					
Power factor cos φ										0.8					
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														
Altitute	≤ 3000 m														
Protection Class	IP20														
STANDARDS															
International Standards	CE, EN 62040-1, EN 62040-2, EN 62040-3, EN 60950														