

GALATA SERIES DVR-M3

FULL AUTOMATIC SERVO DYNAMIC
VOLTAGE REGULATOR
60kVA - 150kVA

GÜVENİŞ Voltage regulators are the machines that provide the constant voltage that you need by correcting the falling and rising of the mains voltage in the internal structure.

Our DVR-M3 voltage regulators operate fully automatically for voltage regulation without any user intervention.

Once the regulators are switched on, your mains voltage is continuously measured and the necessary up / down operations are performed automatically, giving your system the constant voltage required for a healthy operation.

Servo regulators consist of variac, servo motor which controls variac, electronic multimeter card which controls this motor and booster transformer.

The start torque can quickly correct even very small voltage changes thanks to the high DC servo motor and the control system that can respond quickly to voltage changes.

When the regulation is completed, the servo motor is de-energized with the aid of the electronic braking circuit. It has high efficiency.

Pollution, parasitic, etc. at output voltage. do not corrupt.

You can safely use any area with regular electricity needs without any problems.



The DVR-M3 Regulator provides the following:

- Protection of the user from negative voltages.
- Protection of the user and the device from excessive current.
- Undisturbed pure sinus voltage regulation.
- Long-term overload protection and short-term protection.
- AC voltage balancing with extremely high accuracy.
- Run smoothly on all loads from 0% to 100%.
- Manual transfer to bypass regime without regulating.
- Display all values against the probabilities in the bypass regime.
- Record mains input voltage limits and load current values.
- Static, not gradual, dynamically correct output voltage too quickly without user notice.
- When protections are activated, record the number of protection trips and the reason for each parameter separately.
- Generation as standard is $\pm 0.4\%$ (379.87V - 382.6V) stable when the input voltage is within the range of 112.6V 537V.

VOLTAGE STABILIZER

GALATA SERIES DVR-M3

FULL AUTOMATIC SERVO DYNAMIC
VOLTAGE REGULATOR
60kVA - 150kVA

TECHNICAL SPECIFICATIONS

MODEL: GALATA SERIES DVR-M3	M3-60	M3-75	M3-100	M3-120	M3-150
Power kVA	60	75	100	120	150
INPUT					
Input Voltage Correction Range	190-415 / 275-450 / 310/485 VAC				
Input Voltage Operating Range	>155v...490v<				
Operating Frequency	>47.....64 <				
Input Protection	Overcurrent. Low and High Voltage Protection (Optional)				
OUTPUT					
Output Voltage	>380v...415v< +/- %0,4				
Overload	10 SECOND % 200 load				
Correction Speed / Recovery Speed	- 90 Volt / S (150-250VAC the range)				
Output waveform	Pure Sine				
Output protection	Overcurrent. Low and High Voltage Protection (Optional)				
Output protection at low voltage	337V on - 303V off				
Output protection at high voltage	424v on ... 433 off				
OPERATING PRINCIPLES					
	Servo Motor - Microprocessor - Dynamic Servo				
GENERAL					
Cooling	Natural Air /Smart fan system (Thermostat) (optional)				
Measurement and imaging	Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER				
Continuous operating time at full load	0..105%.				
Continuous load <105%	< 7 /24				
Efficiency under load.	>96%				
Mechanical By-pass	Manual control network / 1-0-2 Pako Switch / Remote Switch / Lock key On / Off				
Protection Class	IP20 and Other Options				
ENVIRONMENTAL					
Operating ambient temperature	0> -40 °C <+ 55°C				
Storage temperature	0> -25 °C <+ 60°C				
Ambient temperature +25 ° C Relative Humidity.	< 96 %				
Operating height	<3000 m 3 km				
Protection Class	IP 21				
Acoustic Level	< 50 dB (1m)				
Instruments	CE, ISO-9001				
DIMENSIONS					
WxDxH (cm) 3 Pieces	50x65x180			60x75x200	
Weight (kg)	350	450	550	650	750