



# GVN AVR RVS-G SERIES

MINI MODEL  
RELAY VOLTAGE REGULATOR  
0,5KVA to 3,5KVA

RVS-G series single phase Relay Digital Relay Digital Regulators (0,5KVA-2,5KVA) .Combi, DVD player, Music sets, It can be used in home appliances such as LCD & Plasma TV, (2,5KVA-3,5KVA) in the air conditioner and other household appliances.

Our RVS-G series regulators, manufactured to prevent malfunctions due to voltage fluctuations, extend the service life of your devices by providing high efficiency.

- Model: RVS-G
- 1 phase input / 1 phase output
- Power: 0.5-3,5KVA
- Input voltage range:> 130v ... 250v </ ops. > 250v 90V ... <
- Operating Frequency> 47 ..... 64 <50 Hz
- Output voltage tolerance 220 + 4%
- Protection class IP21
- Continuous load <105% <7/24
- Productivity under load. > 96%
- Output protection at low voltage - 15%
- Output protection at high voltage + 10%
- Digital display (2400-5000Va Timer)
- 2 years full warranty in accordance with ISO 9000 Standards
- 10 years spare parts warranty
- Rapid technical service support



VOLTAGE STABILIZER



# GVN AVR RVS-G SERIES

VOLTAGE STABILIZER

## TECHNICAL SPECIFICATIONS

MODEL	RVS-G-0,5	RVS-G-1	RVS-G-2,5	RVS-G-3,5
Power KVA	0,5	1	2,5	3,5
<b>INPUT</b>				
Input Voltage Correction Range	>130v...250v<			
Operating Frequency	>47.....64 <			
<b>OUTPUT</b>				
Output Voltage	220 +/- % 4			
Overload	10 SECOND % 150 load			
Correction Speed / Recovery Speed	500 V / S			
Output waveform	Pure Sine			
Output protection	Short Circuit, Overcurrent. Low and High Voltage Protection			
	Glass fuse	Glass fuse	Breaker	Breaker
Output protection at low voltage	220v - 15%=187v			
Output protection at high voltage	220v + 10%=242v			
<b>OPERATING PRINCIPLES</b>				
	Relay model			
<b>GENERAL</b>				
Cooling	Natural Air / Fan			
Measurement and imaging	Input and Output Voltage Led Display			
Continuous operating time at full load	0..105%.			
Continuous load <105%	< 7 /24			
Efficiency under load.	>96%			
Number of static stages	4 x 3 = 12 steps			
Efficiency under load	>96%			
Bypass	Automatic and Manual			
<b>ENVIRONMENTAL</b>				
Operating ambient temperature	0> -40 °C <+ 55°C			
Ambient temperature +25 ° C Relative Humidity.	< 96 %			
Operating height	<3000 m			
Protection Class	IP 21			
Protection Class	< 50 dB (1m)			
<b>DIMENSIONS</b>				
WxDxH (cm)	22 x 17 x 9	22 x 17 x 9	33 x 24 x 14	
Weight (kg)	3,4	4,6	11	14



# GVN AVR DVR-M1 Wi-Fi SERIES

FULL AUTOMATIC SERVO DYNAMIC  
VOLTAGE REGULATOR SINGLE PHASE  
CONTROLLED BY Wi-Fi  
1kVA - 50 kVA



VOLTAGE STABILIZER



# GVN AVR DVR-M1 Wi-Fi SERIES

FULL AUTOMATIC SERVO DYNAMIC  
VOLTAGE REGULATOR SINGLE PHASE  
CONTROLLED BY Wi-Fi  
1kVA - 50 kVA

## NEW GENERATION TECHNOLOGY

First and only Servo Voltage Regulator  
controlled via Wi-Fi in the world.

Along with the developing technology,  
IMA designed a new product which is  
compatible with the user and makes life  
easier for the user. The Wi-Fi Network  
feature is absolutely the biggest advantage  
of this device in front of the similar devices.

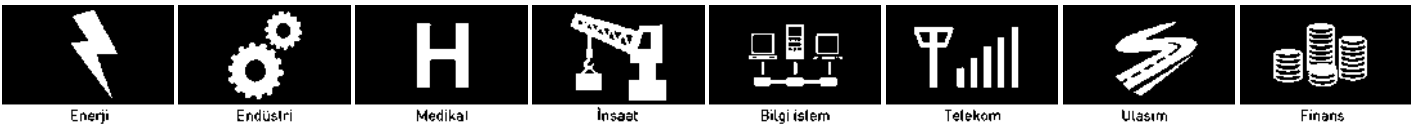


VOLTAGE STABILIZER

## SOMETIMES ONLY WANT IT'S SUFFICIENT.

IMA Engineers designed the Voltage  
regulators controlled via Wi-Fi series in  
order to keep their user needs first.

With the Wi-Fi module on the Voltage Regulator, many  
parameters of the voltage regulator can be monitored,  
controlled or modified by connecting to a Wi-Fi network  
using any browser on a computer, tablet, or phone.





# GVN AVR DVR-M1 Wi-Fi SERIES

IMA 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-M1 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-M1 Wi-Fi Regulator provides the following:

- Undisturbed pure sinus voltage regulation.
- AC voltage balancing with extremely high accuracy.
- Producing intensely, keeping the output voltage stable within  $\pm 0.4\%$  (219.2v - 220.8v) while the input voltage is between 65v ... 310v.
- Run smoothly on all loads from 0% to 100%.
- Long-term overload protection and short-term protection.
- When protections are activated, record the number of protection trips and the reason for each parameter separately.
- Record mains input voltage limits and load current values.
- Protection of the user from negative voltages.
- Protection of the user and the device from excessive current.
- Static, not gradual, dynamically correct output voltage too quickly without user notice.
- Display all values against the probabilities in the bypass regime.
- Manual transfer to bypass regime without regulating.
- Control system by **Wi-Fi** network.

## SAFE TECHNOLOGY

User Friendly WI-FI Controlled Servo  
Voltage Regulator  
Control Panel easy to use

With the user-friendly Wi-Fi Module, which provides remote access, different language options, you can determine, access, control, or modify many operating parameters of the voltage regulator - you do not have to go to the Voltage regulator for all these operations.



# GVN AVR DVR-M1 Wi-Fi SERIES

VOLTAGE STABILIZER

## TECHNICAL SPECIFICATIONS

MODEL: DVR-M1	M1-1	M1-2	M1-3.5	M1-5	M1-7.5	M1-10	M1-15	M1-20	M1-25	M1-30	M1-40	M1-50
Power kVA	1	2	3.5	5	7.5	10	15	20	25	30	40	50
<b>INPUT</b>												
Input Voltage Correction Range	110-240 / 150-250 / 180-280 VAC											
Input Voltage Operating Range	>90v...285v<											
Operating Frequency	>47.....64 <											
Input Protection	Overcurrent. Low and High Voltage Protection											
<b>OUTPUT</b>												
Output Voltage	>200v...240v< +/- %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	195V ON - 175V off											
Output protection at high voltage	245v on ... 250 off											
<b>OPERATING PRINCIPLES</b>												
	Servo Motor - Microprocessor - Dynamic Servo											
<b>GENERAL</b>												
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											
Control mode	Control Modul Via <b>WI-FI</b> Network											
<b>ENVIRONMENTAL</b>												
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 м 3 km											
Protection Class	IP 21											
Acoustic level	< 50 dB (1m)											
<b>DIMENSIONS</b>												
WxDxH (cm)	17,5 x 30 x 40		23 X 54 X 39			27X54X39		50X56X86		60X64X86		
Optional size	-		45 X 40 X 27			55X40X29		-		-		
Weight (kg)	18	23	30	35	45	52	65	90	110	150	180	200



# GVN AVR DVR-M1 SERIES

## FULL AUTOMATIC SERVO DYNAMIC VOLTAGE REGULATOR

1kVA - 50 kVA

IMA 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-M1 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-M1 Regulator provides the following:

- Undisturbed pure sinus voltage regulation.
- AC voltage balancing with extremely high accuracy.
- Producing intensely, keeping the output voltage stable within  $\pm 0.4\%$  (219.2v - 220.8v) while the input voltage is between 65v ... 310v.
- Run smoothly on all loads from 0% to 100%.
- Long-term overload protection and short-term protection.
- When protections are activated, record the number of protection trips and the reason for each parameter separately.
- Record mains input voltage limits and load current values.
- Protection of the user from negative voltages.
- Protection of the user and the device from excessive current.
- Static, not gradual, dynamically correct output voltage too quickly without user notice.
- Display all values against the probabilities in the bypass regime.
- Manual transfer to bypass regime without regulating.



VOLTAGE STABILIZER



# GVN AVR DVR-M1 SERIES

VOLTAGE STABILIZER

## TECHNICAL SPECIFICATIONS

MODEL: DVR-M1	M1-1	M1-2	M1-3.5	M1-5	M1-7.5	M1-10	M1-15	M1-20	M1-25	M1-30	M1-40	M1-50
Power kVA	1	2	3.5	5	7.5	10	15	20	25	30	40	50
<b>INPUT</b>												
Input Voltage Correction Range	110-240 / 150-250 / 180-280 VAC											
Input Voltage Operating Range	>90v...285v<											
Operating Frequency	>47.....64 <											
Input Protection	Overcurrent. Low and High Voltage Protection (Optional)											
<b>OUTPUT</b>												
Output Voltage	>200v...240v< +/- %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	195V ON - 175V off											
Output protection at high voltage	245v on ... 250 off											
<b>OPERATING PRINCIPLES</b>												
	Servo Motor - Microprocessor - Dynamic Servo											
<b>GENERAL</b>												
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											
<b>ENVIRONMENTAL</b>												
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												
<b>DIMENSIONS</b>												
WxDxH (cm)	17,5 x 30 x 40		23 X 54 X 39			27X54X39		50X56X86		60X64X86		
Optional size	-		45 X 40 X 27			55X40X29		-		-		
Weight (kg)	18	23	30	35	45	52	65	90	110	150	180	200





# GVN AVR DVR-M3 SERIES

## FULL AUTOMATIC SERVO DYNAMIC VOLTAGE REGULATOR 3 kVA -150kVA

IMA 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



# GVN AVR DVR-M3 SERIES

VOLTAGE STABILIZER

## TECHNICAL SPECIFICATIONS

MODEL: DVR-M3	M3-3	M3-6	M1-10,5	M3-15	M3-22.5	M3-30	M3-45	M3-60	M3-75	M3-100	M3-120	M3-150
Power kVA	3	6	10.5	15	22.5	30	45	60	75	100	120	150
<b>INPUT</b>												
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)											
<b>OUTPUT</b>												
Output voltage	>380v...415v< +/- %0,4											
Over load	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											
<b>OPERATING PRINCIPLES</b>												
	Servo Motor - Microprocessor - Dynamic Servo											
<b>GENERAL</b>												
Cooling	Natural Air /fan (Optional)											
Measurement and Display	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.	>98%											
Mechanical By-pass	Manual control network / 1-0-2 Pako Switch / Remote Switch / Lock key On / Off											
Protection Class	IP20 and Other Options											
<b>ENVIRONMENTAL</b>												
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												
<b>DIMENSIONS</b>												
WxDxH (cm)	70 X 40 X 35		40 X65X 103				40X75X124	105 X 65 X 140				
Weight (kg)	54	85	105	126	154	175	228	351	386,40	419,40	521,60	580



# FATIH SERIES DVR-M3H

FULL AUTOMATIC SERVO DYNAMIC  
VOLTAGE REGULATOR  
200kVA - 2500kVA



VOLTAGE STABILIZER

IMA 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-M3H 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-M3H 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.



# FATIH SERIES DVR-M3H

FULL AUTOMATIC SERVO DYNAMIC  
VOLTAGE REGULATOR  
200kVA - 2500kVA

## TECHNICAL SPECIFICATIONS

MODEL: FATIH SERIES DVR-M3H	M3H-200	M3H-250	M3H-300	M3H-400	M3H-500	M3H-600	M3H-800	M3H-1000	M3H-1250	M3H-1600	M3H-2000	M3H-2500
Power kVA	200	250	300	400	500	600	800	1000	1250	1600	2000	2500
<b>INPUT</b>												
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)											
<b>OUTPUT</b>												
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											
<b>OPERATING PRINCIPLES</b>												
	Servo Motor - Microprocessor - Dynamic Servo											
<b>GENERAL</b>												
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											
<b>ENVIRONMENTAL</b>												
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												
<b>DIMENSIONS</b>												
WxDxH (cm) 3 Pieces	(50x3)150x65x210			(50x4)200x65x210			(80x3)240x180x210			(120x3)360x180x210		
Weight (kg)	900	1200	1350	1800	2000	2800	3800	4800	5750	6750	8000	10500

VOLTAGE STABILIZER