

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







GVN AVR RVS-G SERIES

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						
INPUT				•						
Input Voltage Correction Range		>130v	250v<							
Operating Frequency		>47	64 <							
ОИТРИТ										
Output Voltage		220 +,	/- % 4							
Overload	10 SECOND % 150 load									
Correction Speed / Recovery Speed	500 V / S									
Output waveform	Pure Sine									
Output protection	Short C	ircuit, Overcurrent. Lov	w and High Voltage Pro	otection						
	Glass fuse	Glass fuse	Breaker	Breaker						
Output protection at low voltage		220v - 15	5%=187v							
Output protection at high voltage	tage 220v + 10%=242v									
OPERATING PRINCIPLES										
	Relay model									
GENERAL										
Cooling		Natural	Air / Fan							
Measurement and imaging		Input and Output \	/oltage Led Display							
Continuous operating time at full load		010	05%.							
Continuous load <105%		< 7	/24							
Efficiency under load.		>9(6%							
Number of static stages		4 x 3 = 1	L2 steps							
Efficiency under load		>9(6%							
Bypass		Automatic a	and Manual							
ENVIRONMENTAL										
Operating ambient temperature		O> -40 °C	<+ 55°C							
Ambient temperature +25 ° C Relative Humidity.	< 96 %									
Operating height	<3000 m									
Protection Class		IP	21							
Protection Class	< 50 dB (1m)									
DIMENSIONS										
WxDxH (cm)	22 x 17 x 9	22 x 17 x 9	33 x 2	24 x 14						
Weight (kg)	3,4	4,6	11	14						



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





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.

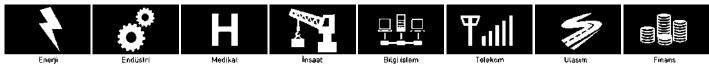
Along with the developing technology, IMA designed a new product which is compatible with the user and makes life easier for the user. The Wi-Fi Network feature is absolutly the biggest advantage of this device in front of the similar devices.





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.



www.imamagnets.com



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.



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.



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
INPUT		•			1					1		
Input Voltage Correction Range					110-240)/150-25	50/180-2	280 VAC				
Input Voltage Operating Range						>90v	.285v<					
Operating Frequency						>47	64 <					
Input Protection				Over	current. L	ow and H	ligh Volt	age Prote	ection			
ОИТРИТ												
Output Voltage					>2	00v240	v< +/- %	0,4				
Overload					10	SECOND	% 200 lo	ad				
Correction Speed / Recovery Speed					- 90 Volt	/ S (150-2	250VAC t	he 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										
OPERATING PRINCIPLES												
				Servo	Motor -	Micropro	cessor -	Dynamic	Servo			
GENERAL												
Cooling				Natural	Air/ Smar	t fan syst	em (Ther	mostat) (optional)		
Measurement and imaging	Input	and Outp	out Voltag	ge Led Di	splay / In	put, Outp	out Volta	ge and Ar	npere Le	d Display	MULTIN	VETER
Continuous operating time at full load						01	05%.					
Continuous load <105%						< 7	/24					
Efficiency under load.						>9	6%					
Mechanical By-pass		Man	ual contr	ol netwo	rk / 1-0-2	Pako Sw	itch / Rei	mote Swi	tch / Loc	k key On	/ Off	
Protection Class					IP2	0 and Ot	her Optio	ons				
Control mode					Control	Modul V	ia WI-FI I	Network				
ENVIRONMENTAL												
Operating ambient temperature					(C> −40 °C	<+ 55°(2				
Storage temperature					(C> −25 °C	<+ 60°0	2				
Ambient temperature +25 ° C Relative Humidity.		< 96 %										
Operating height						<3000 /	м3km					
Protection Class						IP	21					
Acoustic level	< 50 dB (1m)											
DIMENSIONS												
WxDxH (cm)	17,5 x 30 x 40 23 X 54 X 39 27X54X39 50X56X86 60X64							60X64X86	5			
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 deenergized 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 ± 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.







GVN AVR DVR-M1 SERIES

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
INPUT												
Input Voltage Correction Range					110-240)/150-2	50/180-2	280 VAC				
Input Voltage Operating Range						>90v	.285v<					
Operating Frequency						>47	64 <					
Input Protection			0	vercurre	nt. Low a	nd High \	/oltage P	rotection	(Optiona	al)		
ОИТРИТ												
Output Voltage					>2	00v240	v< +/- %	0,4				
Overload		10 SECOND % 200 load										
Correction Speed / Recovery Speed		- 90 Volt / S (150-250VAC the range)										
Output waveform		Pure Sine										
Output protection			0	vercurre	nt. Low a	nd High \	/oltage P	rotection	(Optiona	al)		
Output protection at low voltage		195V ON - 175V off										
Output protection at high voltage		245v on 250 off										
OPERATING PRINCIPLES												
		Servo Motor - Microprocessor - Dynamic Servo										
GENERAL												
Cooling		Natural Air/ Smart fan system (Thermostat) (optional)										
Measurement and imaging	Input	and Outp	out Voltag	ge Led Di	splay / In	put, Outp	out Volta	ge and Ar	npere Le	d Display	MULTIN	METER
Continuous operating time at full load						01	05%.					
Continuous load <105%						< 7	/24					
Efficiency under load.						>9	6%					
Mechanical By-pass		Man	ual contr	ol netwo	rk / 1-0-2	Pako Sw	ritch / Rei	mote Swi	tch / Loc	k key On	/ Off	
Protection Class					IP2	20 and Ot	her Optio	ons				
ENVIRONMENTAL												
Operating ambient temperature					(C> −40 °C	<+ 55°(C				
Storage temperature						C> −25 °C	<+ 60°	С				
Ambient temperature +25 ° C Relative Humidity.						< 9	6%					
Operating height						<3000	м3km					
Protection Class						IP	21					
Acoustic level						< 50 d	B (1m)					
Instruments												
DIMENSIONS												
WxDxH (cm)	17,5 x	30 x 40	2	3 X 54 X 🗄	39	27X54X39 50			50X56X86 60X64X8			5
Optional size		-	4	5 X 40 X	27	55X4	0X29)				
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 deenergized 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 ± 0.4% (379.87V - 382.6V) stable when the input voltage is within the range of 112.6V 537V.





GVN AVR DVR-M3 SERIES

TECHNICAL SPECIFICATIONS

nower kVA 3 6 10.5 15 22.5 30 45 60 75 100 120 150 NPUT													
NPUT 190-415 / 275-450 / 310/485 VAC input Voltage Correction Range >155490v Operating Range >155.v490v Operating Requency >47	MODEL: DVR-M3	M3-3	M3-6					M3-45	M3-60	M3-75			
190-415 / 275-450 / 310/485 VAC Input Voltage Operating Range >155v490v<		3	6	10.5	15	22.5	30	45	60	/5	100	120	150
nput Voltage Operating Range >155v490v<						100.11	- /	50 / 040 /					
Operating Frequency >>4764 Input Protection Overcurrent. Low and High Voltage Protection (Optional) OUTPUT >380v415v< 4/- %0,4						190-41	-		185 VAC				
Input Protection Overcurrent. Low and High Voltage Protection (Optional) OUTPUT													
OUTPUT Output voltage Over load Over load Correction Speed / Recovery Speed Output waveform Pure Sine Output protection Output protection at low voltage OPERATING PRINCIPLES Servo Motor - Microprocessor - Dynamic Servo GENERAL Cooling Natural Air /fan (Optional) Measurement and Display Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER Continuous load <105%													
Output voltage >380v415v< +/- %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 OPERATING PRINCIPLES Servo Motor - Microprocessor - Dynamic Servo GENERAL Servo Motor - Microprocessor - Dynamic Servo 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 0105%. Continuous operating time at full load 0105%. Continuous protection Class IP20 and Other Options ENVIROMENTAL Sorge temperature Operating mabient temperature 0>-25 °C Sorage temperature <96 %	•			0	Overcurre	ent. Low a	nd High	Voltage Pr	otection	(Optiona	l)		
Over load 10 SECOND % 200 load Correction Speed / Recovery Speed - 90 Voit / S (150-250VAC the range) Output waveform Pure Sine Output protection 10 SECOND % 200 load Output protection at low voltage Pure Sine Output protection at high voltage 337V on - 303V off Output protection at high voltage 424v on 433 off OPERATING PRINCIPLES Servo Motor - Microprocessor - Dynamic Servo GENERAL Servo Motor - Microprocessor - Dynamic Servo 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 0105%. Continuous load <105%													
Correction Speed / Recovery Speed -90 Volt / S (150-250VAC the range) Output waveform Pure Sine Output protection 337V on - 303V off Output protection at ligh voltage 337V on - 303V off Output protection at ligh voltage 424 von 433 off OPERATING PRINCIPLES 424 von 433 off OPERATING PRINCIPLES Servo Motor - Microprocessor - Dynamic Servo GENERAL Servo Motor - Microprocessor - Dynamic Servo Cooling Natural Air /fan (Optional) Measurement and Display Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER Continuous load <105%	Output voltage								,				
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 424v on 433 off GENERAL Servo Motor - Microprocessor - Dynamic Servo Generation Servo Motor - Microprocessor - Dynamic Servo Continuous load <105%	Over load												
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 Servo Motor - Microprocessor - Dynamic Servo GENERAL Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER Continuous operating time at full load 0105%. Goting Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER Continuous load <105%	Correction Speed / Recovery Speed		- 90 Volt / S (150-250VAC the range)										
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 Servo Motor - Microprocessor - Dynamic Servo 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 0105%. Continuous load <105%	Output waveform		Pure Sine										
Output protection at high voltage 424 von 433 off OPERATING PRINCIPLES Servo Motor - Microprocessor - Dynamic Servo GENERAL Servo Motor - Microprocessor - Dynamic Servo 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 0105%. Continuous load <105%	Output protection		Overcurrent. Low and High Voltage Protection (Optional)										
OPERATING PRINCIPLES Servo Motor - Microprocessor - Dynamic Servo GENERAL 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 0105%. Continuous load <105% Continuous load <105% Continuous load <105% Continuous load <105% Continuous load <105% Continuous load <105% Continuous load <105% <th< td=""><td>Output protection at low voltage</td><td></td><td colspan="10">337V on - 303V off</td><td></td></th<>	Output protection at low voltage		337V on - 303V off										
Servo Motor - Microprocessor - Dynamic Servo GENERAL 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 0105%. Continuous load <105% Continuous load <105% 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 O> -40 °C <+ 55°C Storage temperature O> -40 °C <+ 55°C Ambient temperature +25 °C Relative Humidity. Operating height Operating height Operating height Operating height	Output protection at high voltage		424v on 433 off										
GENERAL 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 0105%. Continuous load <105%	OPERATING PRINCIPLES												
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 0105%. Continuous load <105%			Servo Motor - Microprocessor - Dynamic Servo										
Measurement and Display Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER Continuous operating time at full load 0105%. Continuous load <105%	GENERAL												
Continuous operating time at full load Continuous load <105% Conti	Cooling					Nati	ural Air /	fan (Optio	onal)				
load 0105%. Continuous load <105%	Measurement and Display	Input	and Out	put Volta	ge Led Di	isplay / In	put, Out	put Voltag	e and Ar	npere Leo	d Display	MULTIM	ETER
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 ENVIRONMENTAL O> -40 °C <+ 55 °C							01	.05%.					
Mechanical By-pass Manual control network / 1-0-2 Pako Switch / Remote Switch / Lock key On / Off Protection Class IP20 and Other Options ENVIRONMENTAL O> -40 °C <+ 55°C	Continuous load <105%						< 7	/24					
Protection Class IP20 and Other Options ENVIRONMENTAL Operating ambient temperature O>-40 °C <+ 55 °C Storage temperature O>-25 °C <+ 60 °C Ambient temperature +25 °C Relative Humidity. Operating height Protection Class IP 21 Acoustic Level	Efficiency under load.						>9	98%					
ENVIRONMENTAL Operating ambient temperature O> -40 °C <+ 55 °C	Mechanical By-pass		Mai	nual cont	rol netwo	ork / 1-0-2	2 Pako Sv	vitch / Rer	note Swi	tch / Lock	key On	/ Off	
Operating ambient temperature O> -40 °C <+ 55°C	Protection Class					IP	20 and O	ther Optic	ons				
Storage temperature O> -25 °C < 60 °C Ambient temperature +25 ° C < 96 %	ENVIRONMENTAL												
Ambient temperature +25 ° C Relative Humidity. Operating height Protection Class Acoustic Level Instruments DIMENSIONS WXDXH (cm) 70 X 40 X 35 40 X65X 103 40X75X124 105 X 65 X 140	Operating ambient temperature						0> -40 °C	C <+ 55℃	2				
Relative Humidity. < 96 %	Storage temperature						0> -25 °C	C <+ 60°C	2				
Protection Class IP 21 Acoustic Level < 50 dB (1m)	Ambient temperature +25 ° C Relative Humidity.						< 9	96 %					
IP 21 Acoustic Level < 50 dB (1m)	Operating height		<3000 M 3 km										
Acoustic Level < 50 dB (1m)	Protection Class												
Instruments Instruments DIMENSIONS VXDxH (cm) 70 X 40 X 35 40 X65X 103 40x75x124 105 X 65 X 140	Acoustic Level												
DIMENSIONS WxDxH (cm) 70 X 40 X 35 40 X65X 103 40x75x124 105 X 65 X 140													
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	WxDxH (cm)	70 X 4	0 X 35		40 X6	5X 103		40X75X124		10	5 X 65 X 1	40	
	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



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 ± 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		
INPUT														
Input Voltage Correction Range					190-4	415 / 275-45	50 / 310/485	5 VAC						
Input Voltage Operating Range						>155v.	490v<							
Operating Frequency		>4764 <												
Input Protection				Over	current. Lov	v and High \	/oltage Prot	ection (Opt	ional)					
ОИТРИТ														
Output Voltage		>380v415v< +/- %0,4												
Overload		10 SECOND % 200 load												
Correction Speed / Recovery Speed					- 90 Ve	olt / S (150-2	250VAC the	range)						
Output waveform						Pure	Sine							
Output protection				Over	current. Lov	v and High \	/oltage Prot	ection (Opt	ional)					
Output protection at low voltage						337V on	- 303V off							
Output protection at high voltage		424v on 433 off												
OPERATING PRINCIPLES														
					Servo Moto	r - Micropro	ocessor - Dy	namic Servo	D					
GENERAL														
Cooling				Nat	ural Air /Sm	art fan syst	em (Thermo	ostat) (optic	onal)					
Measurement and imaging		Inpu	it and Outpu	ıt Voltage L	ed Display /	Input, Outp	out Voltage	and Ampere	e Led Displa	y MULTIM	ETER			
Continuous operating time at full load						01	05%.							
Continuous load <105%						< 7	/24							
Efficiency under load.						>9	6%							
Mechanical By-pass			Manu	al control n	etwork / 1-	D-2 Pako Sw	itch / Remo	te Switch /	Lock key O	n / Off				
Protection Class						IP20 and Ot	her Options	;						
ENVIRONMENTAL														
Operating ambient temperature						0> -40 °C	<+ 55°C							
Storage temperature		O> -25 ℃ <+ 60°C												
Ambient temperature +25 ° C Relative Humidity.		< 96 %												
Operating height		<3000 м 3 km												
Protection Class		IP 21												
Acoustic Level		< 50 dB (1m)												
Instruments														
DIMENSIONS														
WxDxH (cm) 3 Pieces	(50	x3)150x65x	210	(50	x4)200x65x	210	(80)	(3)240x180>	<210	(120	x3)360x180	x210		
Weight (kg)	900	1200	1350	1800	2000	2800	3800	4800	5750	6750	8000	10500		