

# GVN AVR DVR-G-HOME SERIES

FULL AUTOMATIC  
SERVO VOLTAGE REGULATOR  
1PHASE / 3,5kVA

Designed in accordance with the standards of electrical appliances, our DVR-G-HOME series servo voltage regulators are designed to compensate the voltage from the mains and to reach 220 volts nominal value with the ergonomic design. It is a single-phase electronic device designed to provide balanced AC voltage for every consumer. Home, office equipment, power tools, electric motors, air conditioners, refrigerators, washing machines and so on. It can be safely used in all electrical devices that require electrical power at nominal value.



The design of the device is suitable for use on a vertical table or hanging on a wall. There is a control panel on the front cover of the device to monitor the parameters. There are two circuit breakers and one 16A socket on the right side of the device. 4 rubber feet are attached to the bottom of the device for comfortable use on the table. Two mounting holes on the back cover allow hanging on the wall. The terminal socket is designed on the back cover of the device for connecting input output and ground power lines.

# GVN AVR DVR-G-HOME SERIES

FULL AUTOMATIC  
SERVO VOLTAGE REGULATOR  
1PHASE / 3,5kVA

## TECHNICAL SPECIFICATIONS

<b>MODEL: DVR-M1</b>	<b>M1-3.5</b>
POWER kVA	3,5
<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 Sec. in % 200 load
Correction Rate / Recovery Rate	- 90 Volt / Sec( in 150-250VAC range)
Output Waveform	Pure sinus
Output protection	Overcurrent. Low and High Voltage Protection
Low voltage output protection	195V ON - 175V off
High voltage output protection	245v on ... 250 off
<b>OPERATING PRINCIPLE</b>	
Servo Motor - Microprocessor - Dynamic Servo	
<b>GENERAL</b>	
Cooling	Natural Cooling / Fan Optional
Measurement and Display	Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display
Continuous working time at full load	0..105%.
Continuous load <105%	< 7 /24
Efficiency under load.	>96%
Mechanical Bypass	1-0-2 Switch / Latch switch On/Off
Protection Class	IP 20 and Other Options
<b>ENVIRONMENTAL</b>	
Operating ambient temperature	O> -40 °C <+ 55°C
Storage temperature	O> -25 °C <+ 60°C
Ambient temperature +25 ° C Relative Humidity	< 96 %
Working height	<3000 m 3 km
Protection Class	IP 21
Acoustic Level	< 50 dB (1m)
Instruments	CE, ISO 9001
<b>DIMENSIONS</b>	
WxDxH (cm)	25 X 17.5 X 38
Weight (kg)	16



SERVO VOLTAGE REGULATOR