

GVN AVR SVR-G-HOME SERIES

FULLY AUTOMATIC
STATIC VOLTAGE REGULATOR
1 PHASE / 3kVA - 10 kVA

Our SVR-G-HOME series static voltage regulators, which are designed in accordance with the standards of electrical appliances, have been designed as an AC mains voltage compensator with the ergonomic design to compensate the voltage from the mains and bring it to a nominal value of 220 volts. It is a single-phase electronic device designed to provide balanced AC voltage for any consumer. Unlimited, the device works with all kinds of power-appropriate load. Home, office equipment, power tools, electric motors, air conditioners, refrigerators, glass machines etc.



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. 3 buttons, 12 LEDs and 1pcs 4x20 LCD display are used in the control panel. There are two circuit breakers, one 16A socket on the right side, and a cooling fan grill on the left side. 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. In order to avoid any problem in the devices with neutral sensitivity, the "neutral transit" or "common neutral" scheme is used. To remove interference from the mains, a EMI filter is used at the output of the device. The terminal socket is designed on the back cover of the device for connecting input output and ground power lines. Thanks to 16 static steps, the device makes the necessary voltage adjustment. When the temperature inside the device reaches + 55 ° C, the cooling fan switches on automatically.

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TECHNICAL SPECIFICATIONS

MODEL: SVR-G-HOME	3KVA	5KVA	7,5KVA	10KVA
Power KVA	3	5	7,5	10
Power kW	2,5	4	6	8
INPUT PARAMETERS				
Cable Connection Type	terminal Connectors (4x12mm)			
Continuous load <105%	< 7 /24			
Input Safe Voltage Range	> 0.....340V <			
Input Operating Voltage Range of Power Supply	> 75V.....305V <			
Correction voltage range	INPUT: 149V.....261V / OUTPUT: 215,2V.....224,8V			
Maximum continuous input current	16A (FUSE 25A)	27A (FUSE 40A)	38A (FUSE 50A)	52A (FUSE 63A)
Maximum instantaneous input current. (motor starting current).The starting currents of the motors are 5-10 times higher than the current consumption of the normal operating mode in the refrigerator in the air conditioner	44A	76A	112A	160A
Permissible nonlinear load	400 % T-RMS=100%			
Operating Frequency	50Hz ± 2%			
Acoustic Noise Level	< 32 dB (1m)	< 34 dB (1m)	< 36 dB (1m)	< 38 dB (1m)
Efficiency at 50% load	>95%	>96%	>97%	>98%
Total heat generation under full load	0,032kW	0,064kW	0,094kW	0,132kW
OUTPUT PARAMETERS				
Voltage response time	20MS			
Rated static voltage at output at installation Output 220V + 2.2%	215,5V.....224,8V			
Load change range	0 - 400%			
Continuous output load current, with 220V output voltage	> 12A	> 19A	> 28A	> 36A
Ambient temperature of the fan with> 50% load> 30 ° C	Temperature inside the device >+55°C			
Screen 1.	20 x 4 LCD Display			
Screen 2.	12 Ad. LED			
OPERATING ENVIRONMENT				
Operating ambient temperature	-20°C +45°C			
Non-condensing humidity	< 98 %			
Maximum operating height (above sea level)	2000m			
Protection class	IP 21			
DIMENSIONS				
WxDxH (cm)	25X13X37	25X13X37	28X16X42	28X16X42
Weight (kg)	14	19	26	32
GENERAL				
Certificates	ISO-9001, CE			
Warranty period	12 Months			

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