

SVR-M1 SERIES

FULL AUTOMATIC STATIC VOLTAGE REGULATOR

1 Phase / 5kVA - 60 kVA

Technical Specifications:

- 100% compatibility with all single phase devices
- High correction range (90V - 450VAC)
- 20ms voltage correction
- Real static structure thanks to thyristor and SMPS technology.
- Over current protection, Phase protection, Neutral & Voltage Protection (Standard).
- Short circuit protection (Standard).
- Frequency protection (Standard)
- True heat control and heat protection (Standard)
- Required cooling thanks to smart fan (Standard)
- Manual By-Pass and Automatic By-Pass
- High efficiency and completely silent operation
- 1 Piece 4x20 LCD (Standard)
- Automatically saved in the LCD; All errors, Operating Time, Highest and lowest voltage seen, Highest current loaded, instantaneous temperature and highest temperature seen, software date and number, warranty number
- Quality ergonomic structure, small dimensions, easy transportation,



SVR-M1 Series single phase Static Regulators are produced with advanced technology and have high regulation speed, full protection system. It provides safe and stable output voltage in highly sensitive devices where mains voltage is unstable. Its biggest advantage over other regulators is its completely silent and high speed response against sudden voltage fluctuations. It is produced in a capacity that can operate smoothly even at full load and in cases where the voltage changes excessively. It is long-lasting and does not require maintenance since it contains no moving parts except the cooling fan.

All Güven-İş voltage regulators are designed and manufactured in accordance with the European Directives regarding the CE mark ("LVD" Low Voltage and Electromagnetic Compatibility Directives). GÜVEN-İŞ products are produced from suitable quality components and the production process is regularly monitored in accordance with ISO 9001: 2015 standards with the quality control plans adopted by the company.

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SVR-M1 SERIES TECHNICAL SPECIFICATIONS										
Model	SVR-M1									
Power Kva	5	7,5	10	12,5	15	20	33,3	40	50	60
Input Parameters										
Input cable connection type	1 PHASE / Input, output, general neutral +Ground Terminal block									
Continuous Operating time with full workload	450V < PHASE + NEUTRAL									
Input operating voltage range of the power supply	> 70V....305V <									
PHASE - NEUTRAL	PHASE + NEUTRAL									
Input voltage correction range 220 V - 25%, + 20%	165V... 275V standard (90V... 450V optional)						Output 214V 226V			
* BOOSTER TRANSFORMER APPLIED										
Allowable non-linear load	300%						T-RMS = 100%			
Mains voltage frequency	44 Hz ...66 Hz						Automatically			
75% efficiency under load	> 98 %									
By-Pass										
In manual bypass, screens will operate for failure and maintenance situations. Mains voltage will be available at the input of the motherboard										
Output parameters										
Voltage response time	20ms									
Rated static voltage at output, output 220v + -3% at installation	214v....226v									
Power Factor	0,9									
Load change interval	1 - 300 %									
Output cable connection	Ground Input, Output, general neutral						Terminal block			
Control Board										
Display 1 PCS	1pcs. (4x20) LCD Multilingual touch panel									
Warning led and button	3 Pcs									
Monitoring of measured values	Input Voltage Output Load Percentage, Regulator Status and Fault Information, Overload Warning, Over Temperature Warning, Input Faulty Warning, Output Faulty Warning, Max. and Min. Input Voltage and Current, Countdown Time, Multi Display									
Potections										
High - low voltage, high load current, high and low frequency, high internal temperature										
Operating environment										
Operating ambient temperature	- 40° C + 55°C									
Humidity without condensation	< 98 %									
Operating altitude (above sea level)	< 2000 m									
Protection class from external influences	IP21									
Dimensions										
WxDxH (cm)	26 x 31 x 49						35X35X75			
Weight (kg)	20	24	27	27	31	40	60	70	90	110

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