

SVR

Single Phase (5-30kVA) Three Phase (15-120kVA)

- Tyristor Controlled Technology
- Microprocessor Controller
- Wide Input Voltage Range
- Reliable Output Voltage Stability
- Overload Capability up to 130% Load
- Electronic Control
- Swif response to voltage fluctuations
- High Efficiency
- Manual Bypass Switch
- Operation Capability at high Temperature and Humidity
- Short Circuit and Overload Protection



Static Voltage Regulator (SVR) is designed to protect your electrical equipment from voltage fluctuations of the mains. The working mechanism of SVR is different from the classic automatic servo voltage regulator. Instead of a mechanical system causing the changes, the direct triggering of a fast thyristor is responsible for an accelerated response. SVR is composed of a transformer, semiconductor switch power unit which triggers this transformer, and microprocessor block which acts as an control and user interface.

SVR operation is based on coil selecting principle, which means supplying the consumer machine with auto transformer coils inside of it. It ensure machines (like motors, rectifier, and air conditioner) to operate properly and safely with selecting coil if a fluctuation and a deviation occurs in mains. Furthermore the possibility of corrosion, calibration and maintenance requirements can be avoided.

The input voltage, output voltage (if regulator is in operation), output current, mains frequency can be observed from the Panel. Besides; the following information can be also obtained from SVR; Load on bypass or regulator, indication for availability of input for bypass, overload indication.

Options(available for all power range)

- Normal Range (between 150 to 265VAC)
- Wide Range (between 110 to 270VAC)
- Special Range (between 90 to 285VAC)
- Output voltage tolerance 2% and 5% options are available



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ange/second range/ complementange/ comp	Voltage Kange (Normal range)				150-260 Vac					V UC4-U97	ac			
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Opennes Sedenta Sedenta <t< td=""><td>Voltage Range(Special range)*</td><td></td><td></td><td></td><td>90-285 Vac</td><td></td><td></td><td></td><td></td><td>155-490 \</td><td>/ac</td><td></td><td></td><td></td></t<>	Voltage Range(Special range)*				90-285 Vac					155-490 \	/ac			
Of Diamate #MS MS MS MS MS<	Frequency				50/60 Hz					50 /60Hz				
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* the constitutions are not 2007/AC. To the set of values there values may very for 320V or 2/0V or 1/10V antications	Dimensions(mm) WxDxH	4,	05x500x3	17	545x500x417	530x660x	308	380x500x960	55	2x610x111	5	735 x 8	735 x 895 x 1520	0
III S SPECIIICAIUI S AF IIUICATEU as per 220 Y/Y. Output voliage value, iriese values friag valy for 200 vi 240 v output voliage apprication is.	* the specifications are indicated as per 220 ¹	/AC Outp	out Voltage	Value, the	se values may vary fo	or 230V or 240V	/ output volta	age applications.						