



Uninterruptible Power Systems & Power Conversion Products

SVR Series Precision AC Voltage Regulator 1kVA to 3kVA 2U – Rackmount

- True On-Line Design
- Input Power Factor Correction
- Wide Input Voltage Window
- Pure Sinewave Output
- Precision Output Voltage Regulation
- Superior Brownout, Surge and Transient Protection
- Eliminates Generator Frequency & Voltage Drift
- Microprocessor Control & RS-232 Communications
- Two-Year Warranty



Superior Transient Protection & Voltage Regulation

The Solid-State Voltage Regulator (SVR) Series solves a much wider spectrum of power problems than just surge protection. It is an active solid-state generator that creates new AC power. The SVR is a rock-solid voltage/current source, providing precision voltage regulation for your sensitive equipment. Install the SVR's three tiers of active electronic protection between the utility source and your equipment. This virtually eliminates unwanted transients, voltage regulation problems and generator frequency shifts. Difficult loads like motors, switch mode power supplies are not a problem, as the SVR can supply several times its rated output current due to its low impedance output design.

Frequency Converter Capability

With a simple factory modification, the SVR can be configured for use as an international 50 or 60 Hertz frequency converter, making the SVR the ideal solution for worldwide frequency conversion applications.

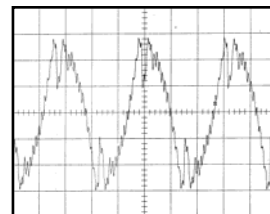
Input Power Factor Correction

All SVR Series precision AC voltage regulator models include state-of-the-art Input Power Factor Correction. This reduces the input current, harmonics and the associated wear and tear on your building's wiring system. It provides the added benefit of becoming a power factor corrector for any equipment plugged into it.

Microprocessor Control

The SVR incorporates advanced microprocessor technology, resulting in a high level of internal control and management. All models support management, data logging, and self-diagnostics. Enhanced computer communication is supported through an RS-232 port. Remotely manage the SVR over your LAN or via the Internet with the optional SNMP/WEB interface.

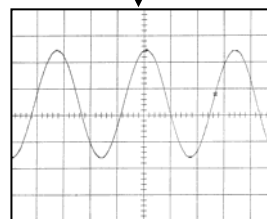
Superior to Tap Switching Regulators. The SVR totally removes power pollution by regenerating a completely new precision regulated AC sinewave. (Output Voltage: $\pm 2\%$, Frequency: $\pm 0.3\%$)



Actual dirty voltage waveform showing voltage dropouts, harmonic distortion and frequency drift.



SVR Series Precision Voltage Regulator regenerates totally new AC power for your critical equipment



Actual SVR output voltage waveform with dirty power applied. Voltage Regulation $\pm 2\%$ Harmonic Distortion $< 3\%$ Frequency 60Hz $\pm 0.3\%$

Model Number	SVR1K-1 SVR1K-2	SVR1.8K-1 SVR1.8K-2	SVR2K-1 SVR2K-2	SVR2.4K-1 SVR2.4K-2	SVR3K-1 SVR3K-2
Nominal VA	1000	1800	2000	2400	3000

Electrical Input

Nominal Voltage	-1	120Vac				
	-2	240Vac				
Voltage Range	-1	87 - 145Vac				
	-2	170-275Vac				
Current-Amps	-1	7	12	14	16	21
	-2	3.5	6	7	8	10.5
Frequency		47-63 Hz				
Efficiency (Typical)		>83%		>86%		

Electrical Output

VA Rating		1000	1800	2000	2400	3000
Watts		700	1260	1400	1680	2100
AC Voltage (Switchable)	-1	100, 110, 115, 120Vac				
	-2	200, 220, 230, 240Vac				
Frequency		50 or 60 Hz (specify at the time of order)				
Frequency Stability		+/- 0.3%				
Voltage Regulation		+/- 2%				
Step Load Change		+/- 7% for 100% load variation				
Harmonic Distortion		< 3% Linear Load, < 5% Non-Linear Load				
Overload		105% load for 50 Seconds				
Crest Ratio		3:1				

Electrical Connections

Input	-1	6' Cord with 5-15P	6' Cord with 5-20P	6' Cord with L5-30P
	-2	6' Cord with Schuko or 6-15P	6' Cord with Schuko or L6-20P	6' Cord with Schuko or L6-20P
Output	-1	(4) 5-15R		
	-2	(4) IEC320		

Environmental

Operating Temperature		0° C - 40° C (32° F to 104° F)
Humidity		10% to 95% Non - Condensing
Altitude		7,000 Feet
Cooling		Low Velocity Forced Air Fans
Audible Noise @ 1 Meter		< 55dBA

Controls and Indicators

LED		Line, Inverter, Alarm, Crest, Load Capacity Level
Audible Alarms		Over/Under Voltage, High Temperature, Over Load, Fault Alarm
Communications		RS-232 Serial Port

Mechanical

Dimensions H x W x D inches (mm)		3.51 x 16.8 x 17.7 (89 x 426.7 x 449.5)		
Weight		23 (10.5)	39 (17.8)	40 (18.1)
Agency Listing		-1: UL 1778, CUL, FCC Class	-1 & 2: UL 1778, CUL, FCC Class A CE available with Schuko plug only	
		-2: CE (Schuko only)		

Available Options

Slide Rails		Heavy Duty Roller Bearing Slide Rails for side mounting
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