



## Uninterruptible Power Systems & Power Conversion Products

# SVR Series™ Precision AC Voltage Regulator

*1kVA to 3kVA 2U – Rackmount (120Vac)*

- True On-Line Design
- Precision Output Voltage Regulation
- Input Power Factor Correction
- Wide Input Voltage Window
- Pure Sinewave Output
- 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 and 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

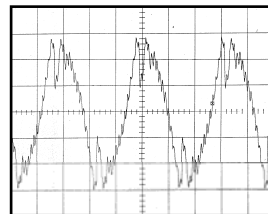
All SVR Series precision AC voltage regulator models include state-of-the-art input power factor correction. This reduces the input current, harmonics and the associated wear and tear on your building's wiring system. It provides the added benefit of becoming a power factor corrector for any equipment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

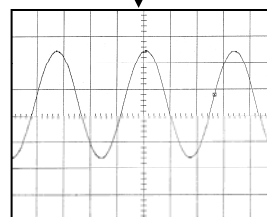
The SVR totally removes power pollution by regenerating a completely new precision regulated AC sinewave. (Output Voltage:  $\pm 2\%$ , Frequency:  $\pm 0.3\%$ )



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  $60\text{Hz} \pm 0.3\%$

# SVR Series™ Precision AC Regulator (120Vac) 1kVA to 3kVA

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

## Electrical Input

Nominal Voltage	120Vac				
Voltage Range	87 - 145Vac				
Current-Amps	7	12	14	16	21
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)	100, 110, 115, 120Vac				
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	6' Cord with 5-15P	6' Cord with 5-20P	6' Cord with L5-30P
Output	(4) 5-15R		

## Environmental

Operating Temperature	0° C to 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 lbs. (kg)	23 (10.5)	39 (17.8)	40 (18.1)
Agency Listing	UL 1778, CUL, FCC Class A		

## Available Options

Slide Rails	Heavy Duty Roller Bearing Slide Rails for side mounting
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