



SVR Pro™ Series Precision Voltage Regulator

With Frequency Converter Option 1.5kVA to 3kVA

Superior Transient Protection & Voltage Regulation

The Solid-State Voltage Regulator (SVR) Pro Series solves a much wider spectrum of power problems than conventional power conditioners. It is an active solid-state generator that operates over a wide input voltage range and creates new ultra-regulated AC power. It is a rock-solid voltage/current source, ensuring the ultimate power protection for your sensitive equipment.

The SVR Pro provides 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 high inrush or non-linear loads are not a problem due to the SVR Pro's low impedance output design.

Input Power Factor Correction

All SVR Pro models include state-of-the-art input power factor correction. This reduces the input current demand, 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

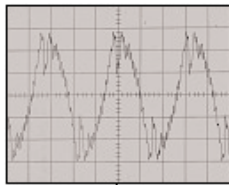
The SVR Pro incorporates advanced micro-processor technology, resulting in a high level of internal control, protection and remote management. All models support data logging and self-diagnostics. Manage the SVR Pro over your LAN or via the Internet with the optional SNMP/WEB interface.

Superior to Tap Switching Regulators

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

Frequency Converter Capability

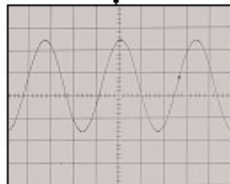
With a factory modification, the SVR Pro can be configured for use as an international 50 or 60 Hertz frequency converter, making it the ideal solution for worldwide frequency conversion applications.



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 $\pm 0.3\%$

Advanced Features:

- * Convenient Rackmount/Tower Design
- * High Temperature 55°C Operation for Harsh Environments
- * True Sinewave Output
- * Superior Power Conditioning
- * Wide Input Voltage Window
- * Precision Output Voltage Regulation
- * Superior Brownout, Surge & Transient Protection
- * Frequency Converter Option
- * LCD Display with Advanced Monitoring for Easy Remote Management
- * RS-232C, USB & Optional SNMP/HTTP Agent

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Model Number	SVRP1.5KRM-1 SVRP1.5KRM-2	SVRP2.2KRM-1 SVRP2.2KRM-2	SVRP3KRM-1 SVRP3KRM-2
Nominal VA	1500	2200	3000
Electrical Input			
Nominal AC Voltage	-1 Models 120Vac -2 Models 208-240Vac		
AC Voltage Range	-1 Models 85-138Vac -2 Models 170-274Vac		
Frequency	50/60 Hz ± 5% (Auto Tracking)		
Power Factor Correction	> 0.97		
Surge Suppression	IEEE/ANSI C62.41		
Efficiency (Typical)	> 87%		
Electrical Output			
Watts	1050	1540	2100
AC Voltage (user programmable)	-1T Models, 100, 110, 115 or 120Vac Sinewave -2T Models, 208, 220, 230, 240Vac Sinewave		
Frequency	50/60 Hz (Auto Tracking or user programmable fixed 50 or 60Hz modes)		
Frequency Stability	±5% Synchronized to the input frequency		
Frequency Conversion	Optional, please contact the factory		
Voltage Regulation	± 2%		
Step Load Change	± 7% for 100% load variation, recovery in 5ms		
Harmonic Distortion	< 3% Linear Load, < 5% Non-Linear Load		
Overload	150% for 10 seconds, 110% for 20 seconds, 105% for 50 seconds		
Crest Ratio	3:1		
Electrical Connections			
Input	-1 Models, 6 Foot Cord with 5-15P Plug -2 Models, 6 Foot Cord with Schuko Plug	-1 Models, 6 Foot Cord with L5-30P Plug -2 Models, 6 Foot Cord with Schuko Plug	
Output	-1 Models (8) 5-15R -2 Models (4) IEC 320	-1 Models (4) 5-15R & (1) L5-30R -2 Models (4) IEC 320	
Contact the factory for other input/output options.			
Environmental			
Operating Temperature (storage)	(operating) (storage)	-10° C - 55° C (14° F to 131° F) -15° C - 50° C (5° F to 122° F)	
Humidity	10% to 95% Non- Condensing		
Altitude	10,000 Feet (3000 meters) without derating		
Heat Dissipation (BTU/Hour)	535	784	784
Audible Noise @ 1 Meter	Audible Noise @ 1 Meter <50dBA		
Controls and Indicators			
LCD Display	MIMIC Graphical Display, Input/Output Voltage, Frequency & Load, Alarm, Programmable settings		
Audible Alarms	Over/Under Voltage, Over/Under Frequency, High Temp., Over Load, Fault Alarm		
Communications	USB Port, RS-232C Serial Port, Optional SNMP/HTTP Agent Board		
Mechanical			
Dimensions UPS H x W x D inches (mm)	(2U Rackmount) 3.5 x 19 x 21.3 (88 x 426 x 540)		
Weight lb. (kg)	31 (14.07)	32 (14.5)	
Agency Listing	-1 Models: UL 1778, CUL, FCC Class B -2 Models: CE, UL 1778, CUL		

