



SVR-PL™ Series Precision Voltage Regulator

Ultra-Wide Temperature Operation 1kVA to 3kVA

Ultra-Wide Temperature Protection From -30°C to +65°C (-22°F to 149°F)

UL Listed for operation up to 65°C, Falcon Electric's SVR-PL Series ultra-high temperature, double conversion, Precision Voltage Regulator family is unique in the industry. It has been specifically designed to withstand temperature environments that would destroy other products.

Designed to Provide Reliability and a Long Service Life

We have carefully and precisely designed, selected components and optimized the cooling to create a unit that operates successfully in ultra-wide temperature environments of -30°C to 65°C (-22°F to 149°F).

LED Display & Microprocessor Control

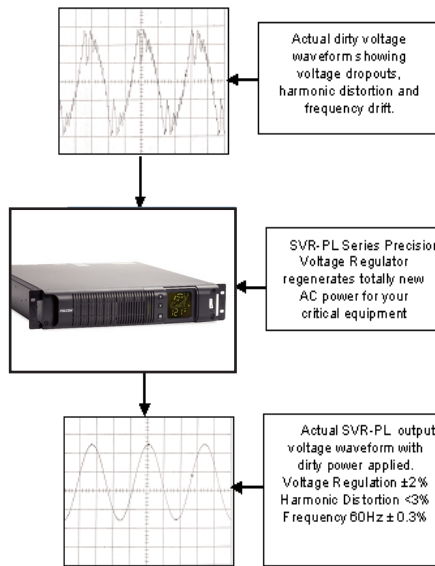
The SVR-PL offers instant access to vital power information through its feature-rich, easy-to-use LED MIMIC graphic display. Through the SVR-PL next-generation microprocessor technology, users can quickly perform various important functions including load segment control, monitoring and setting the output voltage.

Frequency Converter Capability

Thanks to Falcon's flexible design platform, the SVR-PL can be configured as a frequency converter for worldwide power applications. Accepting a 50/60Hz input and providing a fixed 60Hz or 50Hz output, the SVR-PL supplies a tightly regulated output of ±2% and excellent extended brownout protection.

Optional Wide Temperature Battery Operation

Optional batteries may be installed inside the SVR-PL that were specifically selected due to their ultra-wide operational temperature range of -40°C to 80°C (-40°F to 176°F), far in excess of the maximum 65°C SVR-PL specification. The batteries have a 10-year service life rating when operated in a normal ambient temperature environment of 72°F.



Remote Emergency Power Off (REPO)

The SVR-PL is equipped with an NFPA-70, NEC 645-11 compliant REPO interface assuring easy integration. Remote output receptacle control is an option to REPO, allowing the load segment outlets to be remotely controlled using a wire connected, remote switch.

Advanced Features:

- * Convenient Rackmount/Tower Design
- * UL Listed for Ultra-Wide Temperature Operation -30°C to +65°C (-22°F to +149°F)
- * True Sinewave Output
- * Input Power Factor Correction
- * Wide Input Voltage Window
- * Precision Output Voltage Regulation
- * Extended Brownout, Plus Surge & Transient Protection
- * Frequency Converter Option
- * High Temperature LED Display
- * RS-232C, USB & Optional SNMP/HTTP Agent

Typical Rear Panel Configuration



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Model Number	SVRPL1KRM-1 SVRPL1KRM-2	SVRPL1.5KRM-1 SVRPL1.5KRM-2	SVRPL2KRM-1 SVRPL2KRM-1	SVRPL2.5KRM-1 SVRPL2.5KRM-2	SVRPL3KRM-1 SVRPL3KRM-2
Nominal VA	1000	1500	2000	2500	3000
Electrical Input					
Nominal AC Voltage	-1 -2	120Vac 208-240Vac			
AC Voltage Range	-1 -2	85-138Vac 160 – 276Vac			
Frequency	50/60 Hz ± 5% (Auto Tracking)				
Power Factor Correction	> 0.97				
Surge Suppression	IEEE/ANSI C62.41				
Efficiency (Typical)	> 87%				
Electrical Output					
Watts	700	1050	1400	1750	2100
AC Voltage (user programmable)	-1 -2	100, 110, 115 or 120Vac (sinewave) 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 -2	6 Foot Cord with 5-15P 6' Cord with Schuko	6 Foot Cord with L5-20 Plug 6' Cord with Schuko	6 Foot Cord with L5-30 Plug 6' Cord with Schuko	
Output	-1 -2	(8) 5-15R (8) IEC320	(4) 5-15R & (1) L5-20R (8) IEC320	(4) 5-15R & (1) L5-30R (8) IEC320	
Contact the factory for other input/output options.					
Environmental					
Temperature (operating & storage)	-30° C to +65° C (-22° F to +149° F)			-30° C to +60° C (-22° F to +140° F)	
Humidity	10% to 95% Non- Condensing				
Altitude	10,000 Feet (3000 meters) without derating				
Audible Noise @ 1 Meter	Audible Noise @ 1 Meter <50dBA				
Shock & Vibration Withstand	Passed U.S. Army Munson Road Test Shock and Vibration Profile Testing				
Controls and Indicators					
LED 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 (USB & Optional SNMP/HTTP Agent may be used concurrently)				
Mechanical					
Dimensions UPS H x W x D	inches (mm)	(2U Rackmount) 3.5 x 16.8 x 18.8 (88 x 426.7 x 477.5)			
Weight lb. (kg)	31 (14.07)		32 (14.5)		
Agency Listing	-1 Models UL 1778 Listing, CUL, FCC Class B, -2 Models CE, UL 1778 Listing, CUL				

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