

SVRPL RACKMOUNT 1-3KVA STANDARD AND HARDWIRED VOLTAGE REGULATOR

DATASHEET

Overview

The Falcon SVR-PL Ultra-Wide Temperature Voltage Regulator delivers precise $\pm 2\%$ voltage regulation and superior power conditioning from -30°C to $+65^{\circ}\text{C}$. Designed for industrial reliability, it ensures consistent performance, low noise, and robust protection for sensitive electronic equipment.



Key Advantages

- **Certified:** -30°C to 65°C temperature range. The SVRP voltage regulator is agency-certified (UL, cUL, CE) to operate reliably in demanding environments.
- **Available Options / Advanced Communications:** NEMA 3R-rated enclosures, environmental protection, remote management, environment sensors, relay cards and much more.
- **Optional configuration:** Can be used as an international 50 or 60 Hertz frequency converter, making it the ideal solution for worldwide frequency conversion applications.
- **Quality Engineering:** Falcon is recognized for quality and reliability. Falcon Electric is a recognized authority in industrial UPS solutions. Our technical expertise assures you find the right solution the first time.

SVRPL RACKMOUNT 1-3KVA STANDARD AND HARDWIRED VOLTAGE REGULATOR

D A T A S H E E T

Model Number	SVRPL1KRM-1 SVRPL1KRM-2	SVRPL1.5KRM-1 SVRPL1.5KRM-2	SVRPL2KRM-1 SVRPL2KRM-2	SVRPL2.5KRM-1 SVRPL2.5KRM-2	SVRPL3KRM-1 SVRPL3KRM-2
Nominal VA	1000	1500	2000	2500	3000
Electrical Input					
Nominal AC Voltage	-1 Models: 120Vac, -2 Models: 208, 220, 230, 240Vac				
AC Voltage Range	-1 Models: 80-138Vac, -2 Models: 160-276Vac				
Frequency	50/60 Hz \pm 5% (Auto Tracking)				
Power Factor Correction	>0.97 (at full load)				
Surge Suppression	IEEE/ANSI C62.41				
Efficiency (Typ.)	88%				
Electrical Output					
Watts	700	1050	1400	1750	2100
AC Voltage (User Programmable)	-1 Models: 100, 110, 115 or 120Vac (sine wave) -2 Models: 208, 220, 230 or 240Vac (sine wave)				
Frequency	50/60 Hz (Auto Tracking)				
Frequency Stability	\pm 5% Synchronized to the input frequency in utility mode				
Voltage Regulation	\pm 2%				
Step Load Change	\pm 7% for 100% load variation, recovery in 5ms				
Harmonic Distortion	< 3% Linear Load, < 5% Non-Linear Load				
Overload	110% for 40 seconds, 125% for 18 seconds, 150% immediate				
Crest Ratio	3:1				
Electrical Connections					
Input	-1	6' Cord with 5-15P Plug		6' Cord with 5-20P Plug	6' Cord with L5-30P Plug
	-2	6' Cord with Schuko Plug		6' Cord with Schuko Plug	6' Cord with Schuko Plug
Output	-1	(8) 5-15R	(4) 5-15R & (1) L5-20R		(4) 5-15R & (1) L5-30R
	-2	(4) IEC320 C13 Outlets	(4) IEC320 C13 Outlets		(4) IEC320 C13 Outlets
Environmental					
Temperature	Operational & 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 (3,000 meters) without derating				
Cooling	Low Velocity Forced Air Fan				
Heat Dissipation	BTU/Hour	342	535	683	854
Audible Noise	(@ 1 Meter)	<50dBA			
Controls & Indicators					
LED Display	Line, Inverter, Bypass, Load %, Alarm, Charger, Overload				
Audible Alarms	High Temp., Overload, Fault Alarm				
Remote Emergency Power Off (or) Remote Output Receptacle Control	(Standard) Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) (Optional) UPS Load Segment Controlled Output Receptacles can be turned off and on using a remote isolated switch contact.				
Communications	USB Port, RS-232C Serial Port, Optional SNMP/HTTP Agent Board (Bundled UPSilon Monitoring Software)				
Mechanical - For mounting dimensions, contact factory.					
Dimensions H x W x D	inches (mm)	(2U) 3.5 x 19 x 20.8 (88.9 x 482.6 x 528.3)		(2U) 3.5 x 19 x 20.1 (88.9 x 482.6 x 510.5)	
Weight	lb. (kg)	31.9 (14.5)	35.3 (16)		
Agency Approvals	-1 Models: UL 1778, cUL, FCC Class B; -2 Models: CE, UL 1778, cUL				