

SVRP RACKMOUNT 1.5-3KVA STANDARD & HARDWIRED VOLTAGE REGULATOR

D A T A S H E E T

Overview

The Falcon SVRP Voltage Regulator Series provides superior transient protection and precision voltage regulation, regenerating clean AC power with advanced microprocessor control, power-factor correction, and multi-tier protection ensuring reliable performance and optional global frequency conversion.



Key Advantages

- **Certified:** -20°C to 55°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:** For use as an international 50 or 60 Hertz frequency converter, making it the ideal solution for worldwide frequency conversion applications.
- **Quality Engineering:** Falcon Electric is a recognized authority in developing reliable, quality industrial UPS solutions. Our technical expertise ensures you find the right solution the first time.

SVRP RACKMOUNT

1.5-3KVA VOLTAGE REGULATOR

DATASHEET

Model Number	SVRP1.5KRM-1 SVRP1.5KRM-2	SVRP2.2KRM-1 SVRP2.2KRM-2 SVRP2.2KRM-1-HW SVRP2.2KRM-2-HW	SVRP3KRM-1 SVRP3KRM-2 SVRP3KRM-1-HW SVRP3KRM-2-HW	
Nominal VA	1500	2200	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 ± 5% (Auto Tracking)			
Power Factor Correction	>0.97 (at full load)			
Surge Suppression	IEEE/ANSI C62.41			
Efficiency (Typ.)	88%			
Electrical Output				
Watts	1050	1540	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	± 5% Synchronized to the input frequency in utility mode			
Voltage Regulation	± 2%			
Step Load Change	± 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 -2 - HW	6' Cord with 5-15P Plug 6' Cord with Schuko Plug n/a	6' Cord with 5-20P Plug 6' Cord with Schuko Plug Hardwired	6' Cord with L5-30P Plug 6' Cord with Schuko Plug Hardwired
Output	-1 -2 - HW	(8) 5-15R (4) IEC320 C13 Outlets n/a	(4) 5-15R & (1) L5-20R (4) IEC320 C13 Outlets Hardwired	(4) 5-15R & (1) L5-30R (4) IEC320 C13 Outlets Hardwired
Environmental				
Temperature	Operational Storage	-20°C to 55°C (-4°F to 131°F) -20°C to 55°C (-4°F to 131°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	535	784	1071
Audible Noise	(@ 1 Meter)	<50dBA		
Controls & Indicators				
LCD Display	MIMIC Graphical Display, Input/Output Voltage, Frequency, Load, Alarm, Programmable settings & status icons			
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 22.5 (88.9 x 482.6 x 571.5)	(2U) 3.5 x 19 x 21.9 (88.9 x 482.6 x 556.3)		
Weight lb. (kg)	31 (14.1)	32 (14.5)	32 (14.5)	
Agency Approvals				
-1	UL1778, cUL	UL1778, cUL	UL1778, cUL	
-2	UL1778, cUL, CE	UL1778, cUL, CE	UL1778, cUL, CE	
-1-HW	-	UL1778, cUL	UL1778, cUL	
-2-HW	-	-	-	