

SSG Series Industrial UPS

4kVA - 6kVA

Model Number	SSG4KRM-2	SSG5KRM-2	SSG6KRM-2
Nominal VA	4000	5000	6000
Electrical Input			
Nominal AC Voltage	208-240Vac		
AC Voltage Range	176-276Vac		
Frequency	50/60 Hz \pm 5% Auto Sensing (45-65Hz)		
Power Factor Correction	> 0.97 (at full load)		
Surge Suppression	IEEE/ANSI C62.41		
Efficiency (Typ.)	\geq 88%		
Electrical Output			
Watts	2800	3500	4200
AC Voltage (User Programmable)	208, 220, 230 or 240Vac (sinewave)		
Frequency	50/60 Hz (Auto Tracking)		
Frequency Stability	\pm 0.3% (Battery Mode), \pm 5% Synchronized to the input frequency in utility mode		
Voltage Regulation	2% of Nominal (Utility and Battery modes)		
Step Load Change	\pm 7% for 100% load variation, recovery in 5ms		
Harmonic Distortion	< 3%		
Overload	105% for 120 seconds, 150% instantaneous		
Crest Ratio	3:1		
Battery			
DC Bus Voltage (nominal)	192Vdc		
Battery Pack Type	User-Replaceable, Hot-Swappable		
Battery Type	16 Pieces of 10-Year Rated, Maintenance-Free, Sealed VRLA Batteries, 12Vdc, 7AH		
Back Up Time (Full Load/Half Load)	7.5 minutes / 15 minutes	6 minutes / 12 minutes	4.5 minutes / 10 minutes
Recharge Time	4 Hours to 90% at 25°C		
Transfer Time			
Line Fails/Recovers	Zero		
UPS to Bypass or Reverse	< 4ms		
After Overload	Auto Transfer to UPS		
With Frequency Converter Option	Bypass Disabled		
Electrical Connections			
Input	Hardwire		
Output	Hardwire		
Environmental			
Temperature	Operational Storage	-20°C to 55°C (-4°F to 131°F) (Extended operation in temperatures above 25°C will shorten the battery life) -20°C to 55°C (-4°F to 131°F) (Extended storage in temperatures above 25°C will shorten the battery life)	
Humidity	10% to 95% Non – Condensing		
Altitude	10,000 Feet (3,000 meters) without derating		
Cooling	Low Velocity Forced Air Fans		
Audible Noise (@ 1 Meter)	<50dBA		
Heat Dissipation BTU/Hour	1638	2048	2457
Controls & Indicators			
LCD Display	MIMIC Graphical Display, Input/Output Voltage, Frequency & Load, Alarm, Programmable settings & UPS state icons		
Audible Alarms	DC Mode, Low Battery, Over/Under Voltage, Over/Under Frequency, High Temp., Over Load, Fault Alarm		
Remote Emergency Power Off (or)	Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel - Open REPO active)		
Communications	RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled with UPSilon Software)		
Mechanical			
Dimensions H x W x D inches (mm)	7 x 19 x 21.3 (177.8 x 482.6 x 541) SSGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 541)		
Weight lb. (kg)	(4U) UPS Module = 61.8 (28) 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203 (92.1)		
Agency Approvals			
UL 1778, UL 508, cUL, CE, FCC Class B			

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Quick Facts: Falcon's SSG Industrial UPS Family

1. **Industrial Online UPS** - Ruggedly designed for harsh environments. All plastics, batteries and electronics are rated to operate in extreme temperatures.
2. **Wide-Temperature Range** - **Agency Certified**: UL 1778, UL508, cUL and CE approved to operate from -20°C to 55°C (-4°F to 131°F) and -30°C to 65°C (-22°F to 149°F).
Many UPSs are rated from 0°C to 40°C, or are not agency certified at the wide temperature range listed in their specs; they offer no guarantee to operate reliably in harsh environments.
3. **NEMA Rated Enclosures and Many Other Options** - **Ready-to-install** indoor/outdoor UPS systems—one of the only UPSs with all agency certifications. Also, conformal coating of internal boards, powder coating of enclosures and more.
4. **Batteries that Reduce Servicing, Downtime and Costs** - 10-year rated batteries with a **4-year life at 50°C**. In industrial environments, other UPSs typically require battery replacements every 1 to 2 years.

Extended Battery Runtimes - Add minutes, hours or days of backup time.

5. **True Online Sinewave Design** - Many UPSs are office-grade, including line-interactive UPS designs that are mislabeled as “industrial online.” These are not reliable to use in industrial settings. Falcon has a 25-year field-proven track record as a leader in online UPS design.

