

SSG Industrial Wide-temperature UPS

6kVA, 230Vac Rackmount



SSG Industrial UPS Advantages:

• -20°C to 55°C temperature range The SSG 6kVA UPS is agency-certified (UL 1778, UL 508, cUL, CE) to operate reliably in demanding environments.

Long-life UPS: true on-line, industrial

Tested and designed with robust components and materials, the SSG assures reliable operation and a long service life in stressful environments. It is a true on-line industrial UPS.

12-year rated batteries cut service costs

The long-life batteries cut frequent battery replacements and maintenance costs. They have a 12-year life at 25°C and **4 years** at 50°C.

Extended battery banks

The battery banks are easily expandable to provide minutes to hours of extra battery runtime.

• Available options / Advanced communications

NEMA 3R-rated enclosures, galvanic isolation transformer, environmental protection, remote UPS management, environment sensors, relay cards – and much more.

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.

SSG Industrial Wide-temp UPS

Rackmount 6kVA

Electrical public 288-240 %c Voltage Rango 176-270 %c Programmy 5000 frz ± 5% Ado Tracking (45-654-2) Programmy 5000 frz ± 5% Ado Tracking (45-654-2) Strigs Sugression IEEE/ANSI G28.24 Electrical Output 85% Electrical Output 85% Electrical Output 8000 frz (Auto Tracking) Frequency 9000 frz (Auto Tracking) Frequency 900 frz (Auto Tracking) Frequency 900 frz (Auto Tracking) Frequency	Model Number		SSG6KRM-2		
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Step Load Change ± 7% for 100% load variation, recovery in 5ms Harmonic Distortion < 3%	Frequency Stability				
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Overload 110% for 40 seconds, 125% for 18 seconds, 150% immediate Crest Ratio 3.1 Battery 31 DC Bus Voltage (nominal) 192Vdc DE Bus Voltage (nominal) 192Vdc Battery Type 192Vac Battery Type 12-Year Rated, Maintenance-Free, Sealed VRLA Batteries, 12Vdc, 7Ah Battery Type 12-Year Rated, Maintenance-Free, Sealed VRLA Batteries, 12Vdc, 7Ah Battery Type 12-Year Rated, Maintenance-Free, Sealed VRLA Batteries, 12Vdc, 7Ah Battery Type 12-Year Rated, Maintenance-Free, Sealed VRLA Batteries, 12Vdc, 7Ah Battery Type 12-Year Rated, Maintenance-Free, Sealed VRLA Batteries, 12Vdc, 7Ah Battery Type 4 Hours to 90% Transfer Time 2aro Line Falls/Recovers Zaro UPS to Spass or Reverse < 4ms	Step Load Change		± 7% for 100% load variation, recovery in 5ms		
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Line Fails/Recovers Zero UPS to Bypass or Reverse < 4ms	Recharge Time		4 Hours to 90%		
UPS to Bypass or Reverse < 4ms	Transfer Time				
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Cooling Low Velocity Forced Air Fan Audible Noise (@ 1 Meter) Heat Dissipation BTU/Hour 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., Overload, Fault Alarm Remote Emergency Power Off Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) Y x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Humidity		10% to 95% Non-condensing		
Audible Noise (@ 1 Meter) <50dBA	Altitude		10,000 Feet (3,000 meters) without derating		
Heat Dissipation BTU/Hour 2457 Controls & Indicators 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., Overload, Fault Alarm Remote Emergency Power Off Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) SGR Battery Module (each) 3.5 x 19 x 21.8 (177.8 x 482.6 x 553.7) Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4) Total System Weight = 203.7 (92.4)	Cooling		Low Velocity Forced Air Fan		
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., Overload, Fault Alarm Remote Emergency Power Off Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) SGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 553.7) Weight Ib. (kg) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Audible Noise	(@ 1 Meter)	<50dBA		
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., Overload, Fault Alarm Remote Emergency Power Off Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) 7 x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) 0.6 (kg) 0.5 x 19 x 21.3 (88.9 x 482.6 x 541) Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Heat Dissipation	BTU/Hour	2457		
Audible Alarms DC Mode, Low Battery, Over/Under Voltage, Over/Under Frequency, High Temp., Overload, Fault Alarm Remote Emergency Power Off Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) 7 x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Controls & Indicators				
Remote Emergency Power Off Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel) Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) 7 x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 541) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	LCD Display		MIMIC Graphical Display, Input/Output Voltage, Frequency, Load, Alarm, Programmable settings & UPS state icons		
Communications RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software) Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) 7 x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 541) Weight Ib. (kg) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Audible Alarms				
Mechanical - For mounting dimensions, contact factory. UPS Dimensions H x W x D inches (mm) 7 x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 541) Weight Ib. (kg) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Remote Emergency Power C	Off	Meets NFPA 70, NEC 645-11 (REPO connections located on the UPS rear panel)		
UPS Dimensions H x W x D inches (mm) 7 x 19 x 21.8 (177.8 x 482.6 x 553.7) SSGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 541) Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Communications		RS-232C Serial Port, Optional SNMP/HTTP Agent Board (UPS Bundled UPSilon Software)		
SSGR Battery Module (each) 3.5 x 19 x 21.3 (88.9 x 482.6 x 541) Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	Mechanical - For mounting	dimensions, co	ontact factory.		
Weight Ib. (kg) (4U) UPS Module = 62.5 (28.3) 12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	UPS Dimensions H x W x D	inches (mm)	7 x 19 x 21.8 (177.8 x 482.6 x 553.7)		
12-Year VRLA Batteries 2 Each (2U) External Battery Module = 70.6 (32) Total System Weight = 203.7 (92.4)	SSGR Battery Module (each)	3.5 x 19 x 21.3 (88.9 x 482.6 x 541)		
Total System Weight = 203.7 (92.4)	Weight	lb. (kg)	(4U) UPS Module = 62.5 (28.3)		
	12-Year VRLA Batteries				
	Agency Approvals		UL 1778, UL 508, CUL, CE, FCC Class A		

SSG Industrial Wide-temp UPS

Rackmount 6kVA

	SSG UPS O	ptions			
	Extended Battery Ban	k Options - VRLA			
Battery Bank Model Numbers	SSGR	SSGR-2	SSGB-1S40-5U-2		
Battery Type	12-Year Rated, Maintenance-Free	e, Sealed VRLA, 12V, 7Ah Battery	Deep Cycle, Sealed VRLA, 12V, 40Ah		
Temperature Operation	· · · · · · · · · · · · · · · · · · ·	operated in temperatures above 25°C,			
Stora	ge -20°C to 55°C (-4°F to 131°F) Batterie	s stored at 50°C will require monthly rec	charging and have a reduced service life.		
Internal Charger		No	Yes		
Charger Input & Current	N/A	N/A 208Vac to 240Vac, 2.5A			
Dimensions H x W x D inches (mi	n) (2U) 3.5 x 19 x 21.3	(88.9 x 482.6 x 541)	(5U) 8.72 x 19 x 28 (222.3 x 482.6 x 711.2)		
Weight lb. (k	g) 70.6 (32)	72.6 (32.9)	270 (122.5)		
	Extended Battery Ru	untimes - VRLA			
Battery Bank Model Numbers	SSGR or	SSGR or SSGR-2			
Full/Half Load in Minutes		4200W / 2100W			
UPS as Shipp		10	60 / 152		
One Extended Battery Bank P		34.5	152 /333		
Two Extended Battery Bank Pa		62.5	240 / 509		
Three Extended Battery Bank Pa	rs 34 /	34 / 95.5			
Four Extended Battery Bank Pa	rs 46 / *	46 / 128.5			
Five Extended Battery Bank Pa	62 / 166.5		508 / 1083		
	g on temperature, battery age and conditior				
To extend battery runtime for many hours,	40Ah battery bank/charger option is availab	ble (5U height). See datasheet.			
	UPS Transform	er Module			
Model Number		XM6KRM-2/2			
Nominal VA		6000			
Electrical Input					
Nominal AC Voltage & Frequency	208Vac or 240Vac; 50/60 Hz ± 5%				
Electrical Output					
Watts		4200			
AC Voltages & Frequency	User-configurable 208-240Vac or 240/120Vac Split-phase (Default); 50/60 Hz		e (Default); 50/60 Hz		
Electrical Connections					
Input & Output		Hardwire			
Environmental					
Temperature Operational & Stora	-20°C to 55°C (-4°F to 131°F)				
Humidity & Altitude	10% to 95% Non-condensing; 10,000 Feet (3,000 meters) without derating				
Integral Maintenance Bypass					
Bypass Type / Control		Make-Before-Break / Manual Knob			
Mechanical					
Dimensions H x W x D inches (mi	n) ((4U) 7 x 19 x 22.1 (177.8 x 482.6 x 561.3)			
Weight Ib. (k	g)	118 (53.5 kg)			

Typical SSG6KRM-2 Rear Panel Configuration



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