SEG Series STABILINE® UPS 1kVA – 3kVA

True On-Lne Sinewave Design

- **True Regenerative On-Line Design**
- **Input Power Factor Correction**
- **Built-in Surge Protection**
- **Microprocessor Control & Communications**
- **2U Rack Mount Enclosure**
- **Wide Input Voltage Window**
- **High Efficiency**
- **Over Crest Ratio Indicator**
- **Generator Compatibility**
- **RS232 Communications**
- **Site Wiring Fault Indicator**
- **Optional Extended Battery Packs**
- **Optional Internal SNMP Agent**
- **POWERCHEK™ UPS Management Software for Win 95, 98, NT, NTFS, Novell Netware & Linux Included**

Features:

True Regenerative On-line Design

A recent Bell Laboratories study indicates that blackouts account for less than 5% of power disturbances. The other 95% consist of surges, noise, sags, and brownouts. Equipment connected to utility power experiences an average of 128 such events each month. These events can disrupt proper operation of sensitive computer based equipment, decreasing productivity and creating unnecessary production, service, and data recovery costs.

A True Regenerative On-line UPS provides the highest level of protection against a broader spectrum of power problems. This is accomplished through converting the incoming AC utility voltage to a regulated DC voltage. From this DC voltage, a new AC voltage is regenerated by the UPS, providing a clean, tightly regulated source to your equipment. This Solid State Generation function sets the True Regenerative On-line UPS apart from all other Line-interactive and Off-line designs. If your equipment operation is Mission Critical, you need a True Regenerative On-line UPS.

Input Power Factor Correction

All SEG Series Rack Mount UPS models includes state-of-the-art *Input Power Factor Correction*. This greatly reduces the amount of current demanded from your building wiring system, yielding a highly efficient, “building friendly” UPS.

Microprocessor Control

The SEG Series Rack Mount UPS incorporates advanced Microprocessor technology, resulting in a higher level of internal UPS control and management. All SEG Series Rack Mount UPS models support remote shutdown and management, data logging, and self-diagnostics. Enhanced computer communication is supported through any RS-232 port.

SNMP/HTTP Support

An optional SNMP/HTTP Agent board is available providing remote management and monitoring over any Ethernet LAN, WAN or the Internet utilizing a 10BaseT-type connection. The SNMP/HTTP agent installs via an option port available on every SEG Series Rack Mount model.

Extended Battery Ready

All SEG Series Rack Mount models support the addition of optional external battery/charger packs. Whether your application requires a few additional minutes or hours, the SEG Series is ready.

Frequency Converter Capability

With a simple factory modification and the addition of an external input transformer, SEG Series Rack Mount models can be configured for use as international voltage and frequency converters. This makes the SEG Series UPS an ideal choice for worldwide power applications.

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SPECIFICATION

MODEL			SEG1000R	SEG1000XR	SEG2000R	SEG2000XR	SEG3000R	SEG3000XR
INPUT	Nominal Voltage		120V	220V[1]	120V	220V[1]	120V	220V[1]
	Voltage Range		87-140V	170-255V	87-140V	170-255V	87-140V	170-255V
	Current (max)		7A	3.8A	14A	7.6A	21A	11.6
	Frequency		50/60Hz ±5%					
	Efficiency		>83%		>86%			
	Power Factor		>0.95					
OUTPUT	VA Rating		1000VA		2000VA		3000VA	
	Power (Resistive		700W		1400W		2100W	
	Voltage (selectable)							
			110V	220V	110V	220V	110V	220V
			115V	230V	115V	230V	115V	230V
			120V	240V	120V	240V	120V	240V
	Frequency		50/60Hz (auto tracking)					
	Voltage Regulation		±2%					
	Frequency Stability		±0.3%					
	Step Load Change		±7% for 100% load variation					
	Harmonic Distortion		Linear Load <3% Non-linear Load <5%					
	Overload		105% load for 50 seconds					
	Crest Ratio		3:1					
BATTERY	DC Voltage		48V		72V		96V	
	Type		12V, 7AH Sealed Lead Acid					
	Backup time.[2]	Full Load	7 min. typ.		7 min. typ.		6 min. typ.	
		Half Load	20 min. typ.		17 min. typ.		17 min. typ.	
	Recharge Time		8 Hours to 90%					
TRANSFER TIME	Line Fails or Recovers		Zero					
	UPS to Bypass or Reverse		<4 ms					
	After Overload		Auto Transfer to UPS					
Audible Noise	@ 1 Meter		≤55dBA					
Indicators	L.E.D.		Line, Inverter, Battery Reserve, Load, Bypass, Alarm, Crest, Battery & Load Capacity Level					
Audible Alarms			DC Mode, Low Battery, Over/Under Voltage, Over/Under Frequency, High Temperature, Over Load, Alarm.					
Interface	Computer		RS-232					
Environment	Temperature		0°C – 40°C (32°F – 104°F)					
	Humidity		10% - 95% Non-condensing					
Mechanical	Input Line 120V		6 Foot Cord with NEMA 5-15P Plug		6 Foot Cord with NEMA L5-20P		6 Foot Cord with NEMA L5-30P	
	230V		6 Foot Cord with "Schuko" Plug		6 Foot Cord with "Schuko" Plug		6 Foot Cord with "Schuko" Plug	
	Output Receptacles 120V		4 NEMA 5-15R		4 NEMA 5-15R or 1 NEMA L5-20R		4 NEMA 5-15R or 1 NEMA L5-30R	
	230V		4 IEC320 C13 outlets		4 IEC320 C13 outlets			
	Weight	Without Battery	20.9 lbs. (9.5kg)		27.7 lbs. (12.6kg)		28.4 lbs. (12.9kg)	
		Internal Battery	37.4 lbs. (17kg)		N/A		N/A	
		External Battery	N/A		79.6 lbs. (36.2kg)		91.3 lbs. (41.5kg)	
	Dimensions H x W x D (mm) inches		89 x 426 x 450 (2U) 3.51 x 16.8 x 17.7		89 x 426 x 450 (2U) 3.51 x 16.8 x 17.7		89 x 426 x 450 (2U) 3.51 x 16.8 x 17.7	
Approvals	Agency		UL, CUL, FCC Class A (CE on specified models only)					

1. European Voltage
2. Backup time is for reference only. Actual duration may vary depending on temperature, battery condition and type of load.
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Superior Electric