SEG Series STABILINE â UPS 2kVA – 6kVA

True On-Line UPS
Sinewave Design

- True Regenerative On-Line Design
- Input Power Factor Correction
- Multi Levels of Built-in Surge Protection
- Microprocessor Control & Communications
- Compact Size, Lightweight
- 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/HTTP Agent
- Monitoring & Shutdown Software
- Two-Year Warranty

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 creates 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, providing a clean, tightly regulated power 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, which leave your sensitive equipment connected directly to dirty utility power until the UPS has time to sense the utility (high or low) voltage levels and switch to the inverter. If your equipment operation is Mission-Critical, you need a True Regenerative On-Line UPS.

Input Power Factor Correction

All SEG Series 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 UPS incorporates advanced Microprocessor technology. This technology makes possible a high level of internal UPS control and management. With the supplied software all SEG Series UPS models support unattended shutdown, management, data logging, and self-diagnostics. The supplied software supports Windows 95, 98, NT, 2000, Novell Netware and LINUX. POWERCHEK for UNIX is available and competitively priced.

SNMP/HTTP Remote Management 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 o located on every SEG Series model.

Extended Battery Ready

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

Frequency Converter Capability

With a simple factory modification and the addition of an external input transformer, SEG Series models can be configured for use as international voltage and frequency converters[1]. This makes the SEG Series UPS an ideal choice for worldwide power applications.

[1] Transformer not required for 'H' models.

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SPECIFICATION

MODEL		SEG2000	SEG2000X	SEG3000	SEG3000X	SEG5000H & SEG5000		SEG6000H & SEG6000	
INPUT	Nominal Voltage	120V	230V	120V	230V	208-240V		208-240V	
	Voltage Range	87-140V	170-255V	87-140V	170-255V	170-255V (1ϕ)		170-255V (1ϕ)	
	Current (max)	14A	7.6A	21A	11.6	20A		24A	
	Frequency	50/60Hz ±5%							
	Efficiency	>86%				>79%			
	Power Factor	>0.95							
OUTPUT	VA Rating	2000VA		3000VA		5KVA		6KVA	
	Power[4] (Resistive Load)	1400W		2100W		3500W		4200W	
	Voltage (selectable)					Note[3]	208V	Note[3]	208V
		110V	220V	110V	220V	120V	220V[5]	120V	220V[5]
		115V	230V[5]	115V	230V[5]	Note[3]	230V	Note[3]	230V
		120V[5]	240V	120V[5]	240V	Note[3]	240V	Note[3]	240V
						ISO[1] XFMR	Direct Inverter	ISO[1] XFMR	Direct Inverter
	Frequency	50/60Hz (auto tracking)							
	Voltage Regulation	±2%				±4%		±4%	
	Frequency Stability	±0.3% (Battery mode)							
	Step Load Change	±7% for 100% load variation							
	Harmonic Distortion	Linear Load <3% Non-linear Load <5%				<3% <7%			
	Overload	105% load for 50 seconds							
	Crest Ratio	3:1							
BATTERY[3]	DC Voltage	72V		96V		240V			
	Type	12V, 7AH Sealed Lead Acid							
	Backup time. Full Load	7 min. typ.		5.5 min. typ.		9 min. typ.		7 min. typ.	
	Backup time. Half Load	20 min. typ.		15 min. typ.		28 min. typ.		18 min. typ.	
	Recharge Time	8 Hours to 90%				10 Hrs to 90%			
TRANSFER TIME	Line Fails/Recovers	Zero							
	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 (Automatically detects RUPSII, UPSILON & System Enhancements software protocols)							
Environment	Temperature	0°C – 40°C (32°F – 104°F)							
	Humidity	10% - 95% Non-condensing							
Mechanical	Input Line 120V	6 Foot Cord with NEMA 5-20P Plug		6 Foot Cord with NEMA L5-30P Plug		- H models are shipped with hard wire terminal block SEG5000 & 6000 models are shipped with an 8 foot line cord with a L6-30P input plug			
	Input Line 230V	6 Foot Cord with "Schuko" Plug		6 Foot Cord with "Schuko" Plug					
	Output Receptacles[6] 120V	(6) NEMA 5-15R or (3) NEMA 5-15R & 1 Duplex NEMA 6-20R				- H models are shipped with hard wire terminal block SEG5000/6000 models are shipped with 1 L6-30R & 2 5-20R duplex receptacles (other configurations available, contact factory)			
	Output Receptacles[6] 230V	(6) IEC320							
	Weight H Models PDU Models	68.4 lbs. (31kg) N/A N/A		81.4 lbs. (37kg) N/A N/A		301.4 lbs. (137 kg) add 20.5 lbs. (9.3 kg)		301.4 lbs. (137 kg) add 20.5 lbs. (9.3 kg)	
	Dimensions H x W x D, Inches (mm) H Models PDU Models	13.8 x 7.6 x 18.9 (350 x 193 x 480) N/A N/A		13.8 x 7.6 x 18.9 (350 x 193 x 480) N/A N/A		N/A N/A 32.1 x 10.2 x 21.8 (814 x 260 x 554) 32.1 x 10.2 x 27 (814 x 260 x 686)		N/A N/A 32.1 x 10.2 x 21.8 (814 x 260 x 554) 32.1 x 10.2 x 27 (814 x 260 x 686)	
Approvals	Agency	UL, CUL, FCC Class A (CE on X Models, 5 & 6 kVA Models)							

Note: For SEG5 & 6Kva models only.
- H models 208-240Vac and transformer isolated 120Vac outputs, hardwired units.
- non H models are the same as above except with PDU containing line cord & receptacles.

1. Isolation transformer
2. Backup time is for reference only. Actual duration may vary depending on temperature, battery condition and type of load
3. Contact factory for 120V settings.
4. The sum of all connected loads must not exceed the stated output power.
5. Factory default settings.
6. Other Outlet configurations available, please contact the factory.

Superior Electric