

STABILINE®

SKN Series - Uninterruptible Power Supplies

Line Interactive, Simulated Sine Wave Output



Protection for your Data and Hardware!



Power Failures



Power Sags



Power Surges



Under Voltage



Over Voltage

A worldwide leader in Voltage Regulation technology, Superior Electric also offers many technologies and configurations of highly reliable and cost-effective Uninterruptible Power Supplies (UPS).

SKN Series Features

- ◆ 230 VAC, 50/60 Hz Operation
- ◆ 425 VA, 625 VA and 825 VA Models
- ◆ Microprocessor Control
- ◆ Buck and Boost AVR Circuit
- ◆ LED Visual Protection Status
- ◆ Short Circuit Overload Protection
- ◆ Surge Protected RJ11 Jacks for Fax/Modem
- ◆ Advanced Battery Management
- ◆ Energy Saving (Green Mode Function)
- ◆ DC (Cold Start)
- ◆ UPSMON Power Management Software and Dry Contact Closure

Intelligent Microprocessor Control

The SKN line-interactive UPS is an intelligent protector that provides pure, reliable AC power to critical loads – protecting them from utility power blackout, swells, sags, surges and interference. When utility input is present, the SKN will provide surge protection, voltage regulation and energy to charge the internal battery. If the utility input is abnormal or in the event of a power failure, the SKN will supply AC power to the loads immediately and without any interruption. Typical loads include sensitive medical instruments, computers, telecommunication systems and industrial automation equipment. Under normal power conditions, the SKN design adjusts and filters power fluctuations continuously and automatically.

Advanced Battery Management

With the SKN unit connected to utility power, the UPS's internal charger will work automatically even when the SKN power switch is in the OFF position. In order to save battery backup capacity for when it's needed, the Green Mode feature can be utilized to turn the UPS off under backup mode if none of the connected loads are operating.

The SKN Series units offer visual and audible indication of the battery status and condition. A self-test function can detect a weak battery. The self-test is performed at the time the unit is powered and may be manually tested via the front panel on/off/test switch. Front panel LEDs offer visual indication.



Advanced Communications

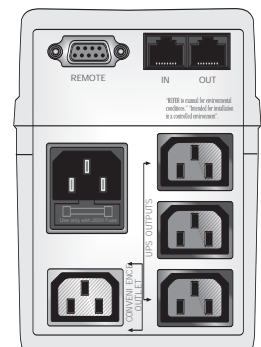
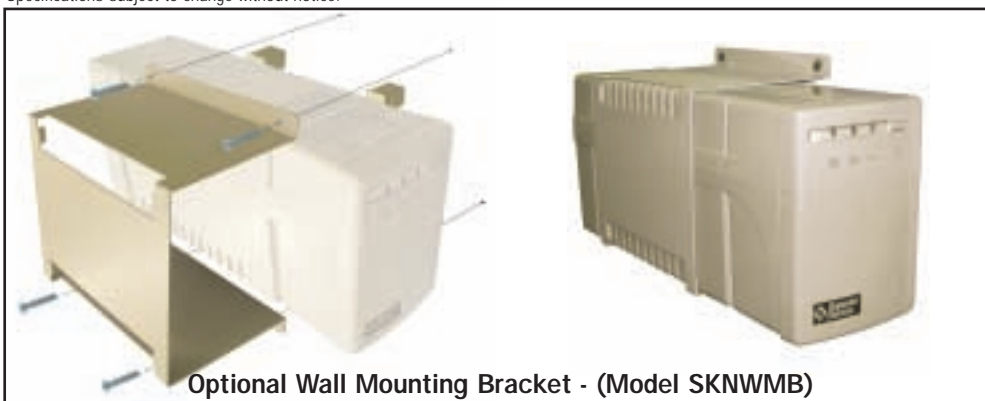
The SKN unit comes equipped with an RS-232 port and UPSMON Power Management Software. The UPSMON software will provide an orderly shutdown and perform power functions. It will display all diagnostics on the user supplied monitor, track power events and schedule system shutdown/reboot. UPSMON supports Windows 95/98/Me/NT/2000/XP/Novell Netware, Linux and others. When the communications software is not used the DB9 connector can provide dry contact closure.



		Model SKN425X	Model SKN625X	Model SKN825X
INPUT	Nominal Voltage	230 VAC		
	Voltage Range	± 25 %, (173-288 VAC)		
	Current	8 A Max. (Including Convenience Receptacles)		
	Frequency	± 10 % (45/66 Hz), 50/60 Hz Auto Sensing		
OUTPUT	Nominal Voltage	230 VAC		
	VA Rating	425 VA	625 VA	825 VA
	Power (Resistive Load)	255 Watts	375 Watts	495 Watts
	Current ¹	1.8 A	2.6 A	3.4 A
	On Line Voltage Regulation	- 13 %, + 8 % (200-248 VAC)		
		AVR Circuit Increases Output Voltage 15 % when Nominal Utility Voltage is -9 % to -25%		
		AVR Circuit Decreases Output Voltage 13 % when Nominal Utility Voltage is +9 % to +25%		
	On Battery Voltage Regulation	± 5 %		
	Frequency	50/60 Hz Auto Sensing		
		± 1 %, 50 or 60 Hz		
	Waveform	Simulated Sine Wave		
Transfer Time	2-4 Milliseconds, Including Detection Time			
Surge Protection	480 Joules, 2ms			
Unit Protection	Circuit Breaker for Overload and Short Circuit			
Overload Protection	UPS Automatic Power Off / Overload Exceeds 110 % of Nominal for 60 Seconds and/or 130 % for 3 Seconds			
BATTERY	DC Voltage	12 VDC		
	Type	Sealed, Lead-acid, Maintenance-free, Valve-regulated (VRLA)		
	Number (Internal)	(1) 12V, 7.2AH	(1) 12V, 7.2AH	(1) 12V, 12.34W
	Run Time ²	<i>PC with 15" Monitor</i> 10 - 20 Minutes	25 - 35 Minutes	30 - 40 Minutes
		<i>Full Load</i> 4 Minutes	2 Minutes	2 Minutes
		<i>Half Load</i> 12 Minutes	7 Minutes	7 Minutes
Recharge Time	6 Hours to 90 %			
GENERAL SPECIFICATIONS	Special Controls & Indicators	Buck & Boost Automatic Voltage Regulator (AVR) Circuit, Green Mode and DC (Cold Start) On/Off/Test and Silence Button Battery Fault, Backup Mode, Line Mode Battery Backup Mode, Low Battery and Overload		
		<i>LED's</i> Audible Alarms		
	Computer Communications	RS-232 Serial Port with (Bundled UPSMON Software)		
	Temperature	<i>Operating</i> 0° C to 40° C (32° F to 104° F)		
		<i>Storage</i> 0° C to 35° C (32° F to 95° F)		
	Humidity	10 - 95 % Non-condensing		
	Altitude	10,000 Feet (3000 Meters) Above Sea Level, Without Derating		
	Audible Noise	< 40 dBA at 1 Meter (3.2 Feet)		
	Input Connection	6-Foot Cordset with IEC-320 Inlet Connector and "Reverse" IEC-320 Connector		
	Output Receptacles	<i>UPS</i> (3) "Reverse" IEC-320 <i>Convenience</i> (1) "Reverse" IEC-320		
	Weight	13.1 lbs. (5.9 kg)	15.4 lbs (7.0 kg)	15.6 lbs. (7.1 kg)
	Dimensions H x W x D	<i>Inches</i> (mm)	5.3 x 3.8 x 12.5 (135 x 97 x 320)	
	Warranty	1 Year		
	Agency Listing	CE		

1. Computer Load.
2. Backup time is for reference only. Actual duration may vary depending on temperature, battery condition and type of load.
3. MS Windows is a registered trademark of Microsoft, Inc.; Novell and Netware are registered trademarks of Novell, Inc.

Specifications subject to change without notice.



Rear Panel Configuration



28 Spring Lane • Suite 3
Farmington, CT 06032 USA
www.superiorelectric.com
info@superiorelectric.com

Telephone and Fax Numbers

Telephone: 860-585-4500
Fax: 860-582-3784
Customer Service 860-585-4500, Menu # 2
Product Application 860-585-4500, Menu # 3

Toll-Free (in USA and Canada only)

1-800-787-3532
1-800-821-1369
1-800-787-3532, Menu # 2
1-800-787-3532, Menu # 3

