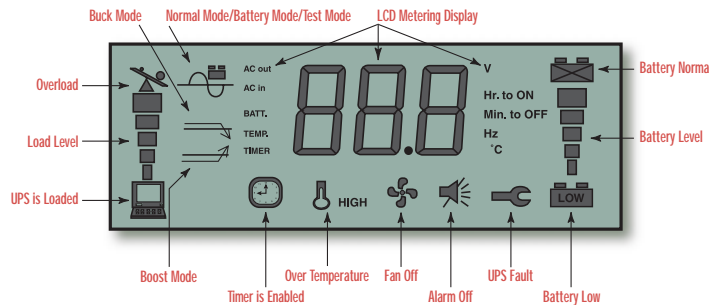


# STABILINE®

SLF Series - Uninterruptible Power Supplies  
Line Interactive, Sine Wave Output



## Front Panel LCD Status Display / Metering Control Functions



All SLF Series UPS are equipped with a convenient front panel LCD status display. This provides immediate UPS and site power status without the need for externally-connected computers or workstations. Over twenty UPS statuses and conditions can be displayed.

## SLF Series Features

- ◆ 120 VAC, 50/60 Hz Operation
- ◆ 500 VA, 700 VA and 1 kVA Models
- ◆ Microprocessor Control
- ◆ Wide Input Voltage Range
- ◆ Superior Output Voltage Regulation on Utility and on Battery
- ◆ PWM Inverter Delivers a True Sine Wave Output Waveform
- ◆ Two-stage Buck and Boost AVR Circuit
- ◆ RS-232 Communications and Contact Closure Interface
- ◆ Battery Disconnect Jumper
- ◆ Surge Protected RJ11 Jacks for Fax/Modem Protection
- ◆ DC (Cold Start)
- ◆ Green Mode Function
- ◆ Remote and Automatic Daily Shutdown and Start-up
- ◆ UPSILON® Monitoring & Shutdown Software
- ◆ Compact, Quiet & Lightweight Footprint

## The STABILINE Advantage

Superior Electric, a worldwide leader in Voltage Regulation technology, also offers many technologies of highly reliable Uninterruptible Power Supplies. Our new SLF Series advances the price/performance standard for Line Interactive technology. A SLF Series unit is an ideal power quality solution for Mission-critical applications. Units safeguard fileservers, workstations, networking hubs, routers, switches, POS hardware, back office systems, ATMs and telecommunications equipment from blackouts, brownouts, voltage fluctuations and transient voltage surges.

## True Sine Wave Output

Unlike many other Line Interactive UPSs on the market today, the SLF Series UPS produces a true sine wave output voltage waveform, just like the incoming utility power. The robust Pulse Width Modulated (PWM) Inverter assures your delicate electronic equipment will always receive the pure sine wave power it was designed for.

## Two-stage Buck/Boost AVR Circuit

All models are microprocessor controlled and feature a two-stage Buck and Boost Automatic Voltage Regulation capability that allows for high-grade voltage regulation over a wide input voltage window. This advanced circuit design keeps your connected equipment working through brownout and high voltage conditions, without draining valuable run time battery power. When low or high voltage is detected, the SLF Series UPS adjusts it to ensure your sensitive loads receive only safe, regulated power.

## Surge Suppression and Noise Filtering

All models have advanced surge suppression and EMI/RFI filtering circuitry to prevent damaging power line transients and noise from reaching your equipment. Additional surge protected, RJ11 telephone jacks are provided on the UPS rear panel for fax/modem use.

## Advanced Communications

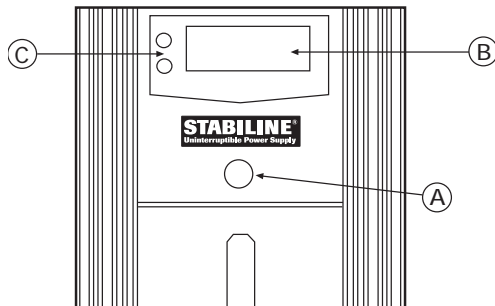
A RS-232 port is also provided in the event remote shutdown or monitoring is required. UPSILON shutdown software is provided for this purpose and supports MS Windows® 95, 98, NT, 2000, 2000 Server, ME, XP Novell Netware® 5 & 6, LINUX and FreeBSD. UNIX® versions may be purchased separately. An optional external SNMP/HTTP agent device is also sold separately, allowing the UPS to be connected directly to any Ethernet LAN or WAN.

		Model SLF500	Model SLF700	Model SLF1000	
INPUT	Nominal Voltage	120 VAC			
	Voltage Range	-20 %, +22 % (96-146 VAC)			
	Current	5 A	7 A	10 A	
	Frequency	50/60 Hz (Auto-tracking 47-65 Hz)			
OUTPUT	Nominal Voltage	120 VAC			
	VA Rating	500 VA	700 VA	1000 VA	
	Power (Resistive Load)	350 Watts	490 Watts	650 Watts	
	Current <sup>1</sup>	4.2 A	5.8 A	8.3 A	
	On Line Voltage Regulation	± 5 %			
	On Battery Voltage Regulation	± 3 %			
	Frequency	50/60 Hz, Auto-tracking			
	Waveform	True Sine Wave			
	Transfer Time (Typical)	Blackout, 3 ms/Brownout, 0 ms			
		<i>Bypass to Inverter</i>	0 ms		
		<i>Inverter to Bypass</i>	0 ms		
Efficiency (Typical)	AC to AC	97% Typical			
Surge Protection		125 Joules (Metal Oxide Varistor)			
Unit Protection		Short Circuit, Overload & Over Temperature			
BATTERY	DC Voltage	12 VDC	24 VDC	24 VDC	
	Type	Sealed, Lead-acid, Maintenance-free, Valve-regulated (VRLA)			
	Number (Internal)	(1) 12V, 9AH	(2) 12V, 7AH	(2) 12V, 9AH	
	Run Time <sup>2</sup>	3.5 Minutes	5 Minutes	4.5 Minutes	
		<i>Full Load</i>	11 Minutes	12 Minutes	11 Minutes
		<i>Half Load</i>	8 Hours to 90 %	5 Hours to 90 %	5 Hours to 90 %
GENERAL SPECIFICATIONS	Special	Two Stage Buck & Boost with Auto Voltage Regulator (AVR) Circuit Fax/Modem Surge Protection			
	Controls & Indicators	One Main Control Button-UPS On/Off, Self Test, Reset & Silence Alarms Two LCD Metering Scroll Function Select Buttons			
		LCD Display	AC Input Voltage, AC Output Voltage, Output Frequency, DC Battery Voltage, Internal UPS Temperature, Timer-Minutes to Shutdown, Hours to Restart, Battery-Remaining Battery Time		
		LCD Operational Symbols	Overload, Load Level, UPS is Loaded, Normal Mode, Buck Mode, Boost Mode, Timer Enabled, High Temperature, Fan Off, Alarm Off, UPS Fault, Battery Low, Battery Level		
		Audible Alarms	Low Battery, Defective Battery, Overload, Over Temperature, AC Out of Range		
	Computer Communications	RS-232 Serial Port and Contact Closure Signal (Bundled UPSILON 2000 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			
	Cooling	Low Velocity Forced Air Fans			
	Input Connection	6-Foot Cord with NEMA 5-15P Plug			
	Output Receptacles	(3) 5-15R			
	Weight	24.3 lbs. (11 kg)	33.1 lbs (15 kg)	33.1 lbs. (15 kg)	
Dimensions H x W x D	<i>Inches</i>	7.9 x 7.1 x 14.2			
	<i>(mm)</i>	(200 x 180 x 360)			
Warranty	1 Year				
Agency Listing	UL, cUL, FCC Class A				

1. Computer Load.

2. Backup time is for reference only. Actual duration may vary depending on temperature, battery condition and type of load. Specifications subject to change without notice.

3. UPSILON is a registered trademark of Megatec System Technologies; MS Windows is a registered trademark of Microsoft, Inc.; Novell and Netware are registered trademarks of Novell, Inc.; UNIX is a registered trademark of X/Open Company Limited.



### Controls/Displays/Functions

- A. Main Control Button
- B. Liquid Crystal Display (LCD)
- C. Two LCD Metering Function Select Buttons

