



Uninterruptible Power Supplies

# SS / SS-L Series

Pure Sine Wave, Line Interactive UPS



## Features

(All Models are Isolated Transformer Structure)

- True Line Interactive, Sine Wave Output
- Digital Microprocessor Control
- Adjustable Voltage Sensitivity, Voltage Transfer Points, Charging Volt-Amp, Green Power & Overload Shutdown
- Built-in Buck & Boost AVR / Stabilizer
- Extra Wide Input Range (up to  $\pm 35\%$ )
- The Full Bridge Inverter are Suitable for Inductive Loads, Generator Compatible
- All-in-one Button for Self-test, Alarm-reset & DC Start
- Automatic & Manual Bypass function \*\* (Option)
- Remaining Back-up Time Indication (LCD version)
- Extended Back-up Time Available (SS-L Series)
- Protection for Overload, Surge, Short Circuit, & Overheat
- Cold-start & Green Power Mode to Saving Battery Life.
- UPS Software Compatible With All Major O.S., Including Windows & Netware, Linux & BSD, SCO UNIX & DOS



## \*\* OPTIONS :

### Advance Features

### Multiple Display Panel

I. LED Version :



Type A      \*\*Type B

II. LCD Version : Over 20 items of operation data can be displayed on the LCD screen



### Hot-swappable Batteries

User replaceable without having to shut down the load



### Remote LCD control

Remote monitoring device that can overview over 20 operating items of UPS on real time. it is compatible with all SOLTEC UPS such as BS/BS-L and SS/SS-L series, and communicate with UPS from the distance as long as you need with the RJ-45 cable.



### Multiple Interface Cards

Completed UPS Software management with Multi-interface Selection, Including Dual RS-232/Dry Contact, USB, RS-485, AS-400, SNMP (LAN) / HTTP (WEB)...interface ports



### Extendable Back-up Time

Batteries cabinet for Series Long Back-up (SS-L) UPS, user can extend the back-up time as needed

#### Battery Case



## \* SPECIFICATIONS : UPS with Inverter Function

INPUT	Voltage	Selectable 100/110/115/120Vac 1 $\phi$ or 200/220/230/240Vac 1 $\phi$ +/-25% (up to +/-35%)
	Frequency	50Hz/60Hz +/-10% (Auto detected)
OUTPUT	Voltage (Inverter mode)	Selectable 100/110/115/120Vac 1 $\phi$ or 200/220/230/240Vac 1 $\phi$ +/-1%
	Frequency (Inverter mode)	50/60Hz or 60Hz +/-0.1%
	Wave Form (Normal & Inverter mode)	Pure Sine Wave
	Efficiency	>= 98%
TRANSFER TIME		1~2 MS Typical
BATTERY	Type	Sealed Lead-acid, Maintenance Free
	Charger	CCCV Intelligent Charger to Control the Current, Voltage and Protect the Over Charge
	Recharge Time to 90%	Within 2 hrs
LED	LED	5 Steps Battery Voltage Level & 5 Steps Load Level (20/40/60/80/100%), Battery Low / AC Power In / Normal Utility Power, Low Voltage Utility Power, Back-up Mode, Over Load, UPS Fault, Timer is Enable,
	Type A (Standard)	
DISPLAY	**Type B (Option)	5 Steps Battery Voltage Level (20/40/60/80/100%), Battery : Normal / Low / Replacement / Charging, AC Power IN / Normal Utility Power, Low Voltage Utility Power, Back-up Mode, AVR Mode, Buck & Boost Mode, Over Load, Alarm Off, UPS Fault, Timer is Enabled.
	**LCD (Option)	5 Steps Battery Voltage Level & 5 Steps Load Level (20/40/60/80/100%), Over load, Load Level, UPS is Loaded, Normal Mode, Battery Mode, Test Mode, Buck & Boost Mode, Timer is Enabled, Thermal Alarm, Fan is in "High Speed", Silence Mode, UPS Fault, Battery : Normal / Low / Replacement / DC Voltage, AC Voltage Input & Output, AC Frequency Output, Temperature, Timer ( Min. To Off, Hr. To On), Remaining Back-up Time, Bypass Mode.
OUTPUT ARID CONNECTION		Standard : NEMA x 4 ~ 8 Pcs, **(Option : IEC / German / Universal / Screw terminal)
SPECIAL FUNCTION		AC Automatic Start, DC Start, Alarm Reset, **(Optional for Automatic & Manual Bypass Switch)
PROTECTION		Automatic Self-test System, Over Load, Over & Under Voltage, Surge & Spike, Short Circuit, EMI / RFI Noise Filter, Overheat, Battery Discharge Limit, No Load Auto Shutdown.
INTERFACE PORT		RS-232 / DB-9 (Dry Contact) / **(Option : USB Port or Additional Multi-interfaces Card)
AUDIBLE ALARM		Utility Good / Outage, Timer On, Back-up (No Load / Loaded), Battery Low, Over Load, UPS Fault, Thermal Alarm (Over Heat)
PROTECTION PORT **(Option)		Surge Protection for Phone Line (RJ-11) or Data Line (RJ-45) or Printer (Plug outlet)
REMOTE LCD PANEL **(Option)		A Hand Held Display Module With LCD Can Monitor UPS's Statuses with RJ-45 **(Option: RS-232) Connected In Series From Distance <= 1000M
ENVIRONMENT TEMP. / HUMIDITY / ACOUSTIC NOISE		0-45 °C / 0-95% Non-condensing / <40 dBA at 1 meter

### STANDARD UPS >> 15 - 30 MINS BACK-UP TIME (Depends on load)

MODEL	POWER RATING	DC Volt.	BATTERY	DIMENSION (LxHxW) / WEIGHT
SS-1000	1000VA	24	12V 7Ah x 2 pcs	38 x 20 x 18cm / 15kgs
SS-1500	1500VA	36	12V 7Ah x 3 pcs	45 x 20 x 18cm / 21kgs
SS-2000	2000VA	24/48**	12V 7Ah x 4 pcs	52 x 20 x 18cm / 25kgs
SS-3000	3000VA	36	12V 7Ah x 6 pcs	52 x 20 x 18cm / 26kgs
SS-4000	4000VA	36	12V 7Ah x 6 pcs	52 x 20 x 18cm / 37kgs
SS-5000L (ST)				
SS-5000L (MT)	5000VA	72	12V 7Ah x 12 pcs	52 x 47 x 18.5cm / 65kgs
SS-5000L (HT)			12V 7Ah x 18 pcs	62 x 58 x 22.5cm / 68kgs
SS-8000L (HT)	8000VA	120	12V 17Ah / 18Ah x 10 pcs	62 x 72 x 22.5cm / 85kgs
				62 x 72 x 22.5cm / 105kgs

### LONG BACK-UP UPS >> BACK-UP TIME can be as long as your battery set can afford (Batt. 7Ah ~ 300Ah)

MODEL	POWER RATING	DC Volt.	DIMENSION (L x H x W) / WEIGHT	
			Main UPS W/O Batt.	** IN / EXTERNAL Battery Case Design
SS-1000L	1000 VA	**36/48	45.5 x 20 x 18cm / 14.5kgs	SS-BA Small Case : 48 x 20 x 18cm / ***
SS-2000L	2000 VA	48/72**	45.5 x 20 x 18cm / 22.5kgs	
SS-1524L	2000 VA	24	45.5 x 20 x 18cm / 19kgs	SS-BC Medium Tower : 50 x 65 x 22cm / ***
SS-3000L	3000 VA	72	45.5 x 20 x 18cm / 31kgs	
SS-2236L	3000 VA	36	45.5 x 20 x 18cm / 23kgs	SS-BB-E Hight Tower : 63 x 73x 22cm / ***
SS-5000L	3000VA 4000VA	72	52 x 20 x 18cm / 31kgs	
SS-3048L	4000 VA	48	52 x 20 x 18cm / 31kgs	SS-BD Big Tower : 65 x 90 x 44cm / ***
SS-8000L	5000 VA	120	52 x 20 x 18cm / 31kgs	
				SR-BB 19" Rack Mount : 55 x 27 x 47cm / ***

Spec. STD.28-06-21

\* Specifications are subject to change without prior notice.

\*\* Option specification

\*\*\* Depends on Quantities of Battery

**SOLTEC**  
Total Power Solutions

[www.u-pt.com](http://www.u-pt.com)