



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                 | 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  |
| DISPLAY                                       | 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)         |   |
|   | **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.   |
| DISPLAY                                       | **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 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 (MT) | 5000VA       | 72       | 12V 7Ah x 12 pcs         | 62 x 58 x 22.5cm / 68kgs   |
| SS-5000L (HT) |              |          | 12V 7Ah x 18 pcs         | 62 x 72 x 22.5cm / 85kgs   |
| SS-8000L (HT) | 8000VA       | 120      | 12V 17Ah / 18Ah x 10 pcs | 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 | 1000VA       | **36/48  | 45.5 x 20 x 18cm / 14.5kgs     | SS-BA Small Case : 47.5 x 20 x 18cm / ***       |
| SS-2000L | 2000VA       | 48/72**  | 45.5 x 20 x 18cm / 22.5kgs     | SS-BC Medium Tower : 59 x 58 x 22cm / ***       |
| SS-1524L | 2000VA       | 24       | 45.5 x 20 x 18cm / 19kgs       | SS-BB Hight Tower : 59 x 72 x 22cm / ***        |
| SS-3000L | 3000VA       | 72       | 45.5 x 20 x 18cm / 31kgs       | SS-BB-E Extra-High Tower : 66 x 72 x 22cm / *** |
| SS-2236L | 3000VA       | 36       | 45.5 x 20 x 18cm / 23kgs       | SS-BD Big Tower : 63.5 x 79 x 44cm / ***        |
| SS-5000L | 3000VA       | 72       | 52 x 20 x 18cm / 31kgs         | SR-BB 19" Rack Mount : 60.5 x 27x 48.5cm / ***  |
|          | 4000VA       |          |                                |   |
| SS-3048L | 4000VA       | 48       | 52 x 20 x 18cm / 31kgs         |   |
| SS-8000L | 5000VA       | 120      | 52 x 20 x 18cm / 31kgs         |   |

Spec. STD.01-05-13

\* Specifications are subject to change without prior notice.  
\*\* Option specification  
\*\*\* Depends on Quantities of Battery

**SOLTEC**  
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