



## **SINE PLUS SERIES**

**TOWER / RACK MOUNT**

**LINE INTERACTIVE PURE SINE WAVE LED UPS**

**1000VA - 3000VA**

### **SALIENT FEATURES**

- \* Snmp allows for web-based remote or monitoring power management  
And startup/restart for connected equipment
- \* Built-in boost and buck avr to stabilize the voltage to our computer
- \* Provides line-interactive design and true sinewave output
- \* User-replaceable hotswappable battery design & cold startup capability
- \* Built-in fax / modem surge protection, RS-232, USB communication port
- \* Enable to extend runtime scalable external battery pack
- \* Microprocessor control guarantees high reliability
- \* Fully protection for overload, short -circuit and overheat
- \* High frequency design
- \* Selectable output range and operating mode
- \* Simplecontrol and compact size

### **APPLICATIONS**



\*Technical Specification on Next Page

## Technical Specification:

Product Series		SINE PLUS SERIES		
Model		SP-1000	SP-2000	SP-3000
Capacity	VA/W	1000VA/900W	2000VA/1800W	3000VA/2700W
Input	Nominal Voltage	225V/ 230V/235V		
	Acceptable Voltage Range	185V-276V(230V nominal)		
	Frequency	50/60 Hz with automatic selection		
Output	Voltage	225V/230V/235V ± 5%		
	Frequency	50Hz or 60Hz		
	Wave form	Pure Sinewave		
	Transfer time	2-4milliseconds (typical)		
	Normal Mode protections	Overload (110% for 3 minutes);shortcircuit protected		
	Battery Mode protections	Overload (110% for 30 seconds);shortcircuit protected		
	PF	0.7		
	Battery	Battery number	12V/9AhX2pcs	12V/7AhX4pcs
Typical back-up time		6 min		
Battery recharge		4 hours 80% Cn (after full discharge) Under permanent charge even when the UPS is off (mains present)		
Transfer time	Typical	2-4ms Typical, 6 ms max		
Indicator	AC Mode	Line LED lighting		
	Battery Mode	Battery LED flashing every 4 seconds		
	Site Fault	Site Fault LED lighting ( For 120Vac Models)		
		4-segment LED bar- 0-25% : 4th LED lighting 26%-50% : 3rd and 4th LEDs lighting		
		51%-75% : 2nd, 3rd, and 4th LEDs lighting		
Audible alarm		76%-100% : 4 LEDs in a row all lighting		
	UPS Fault	Fault LED Lighting		
	Overload	OverLoad LED lighting		
	Low Battery	Battery LED flashing every second		
	Battery Mode	Sounding every 4 seconds		
	Low Battery	Sounding every second		
	UPS Fault	Continuously Sounding		
Physical	Overload	Sounding every second		
	Battery Replace	Continuously Sounding		
	Dimension DxWxH(mm)	455x445x90		482x565x90
Communication	Net Weight(kgs)	19	21.2	24.5
	Communication interface	RS232 / USB		
	Ethernet adapter	TCP/IP SNMP optional card		
Interface	EPO	Available		
	Network Surge Protection	Available		
	RS232	Support Windows family, Linux and Mac		
Environment	USB	Support Windows Family		
	Noise level(normal mode)	<45dBA (at 1 meter)		
	Temperature	0- 40: °C 10-25 °C for optimum battery life		
	Environment	Atitude : 2000mt, humidity 95% non-condensing		

Product specification are subject to change without further notice.