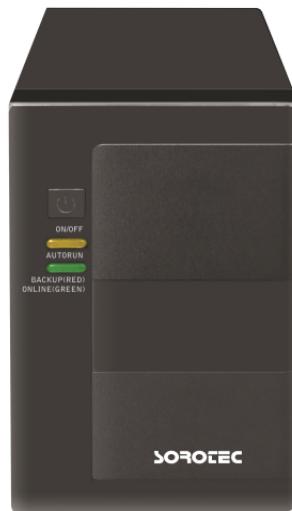# BL SERIES 1000VA, 1200VA, 1500VA, 1600VA.
Line-Interactive Offline

PERFORMANCE CHARACTERISTICS

This series of UPS applies CPU integrated control technology, which allows UPS to response promptly and accurately when power outage, high or low voltage, surge, transient or spike occurs while its surge protection port provides protection for special external devices, such as printers and so on. It prossesses automatic startup function, automatic voltage regulation function and a wide range of input voltage, so it is applicable to all kinds of electric power environment. Line interactive UPS is the perfect protection partners for computer, Workstations and POS system. Widely used in municipal, bank, postal coupons, communication transportation ,radio and television, and power Public hospital, industrial control, defense, etc, Computer room, data center, and the server for electric power Environmental requirements of network equipments, strict communication and information.

▶ Wide range of input voltage

The UPS can offer normal and stable service voltage under its input voltage range. When the input voltage is out of its range the machine will switch to battery mode automatically to keep the output power in order to protect the equipment, such as computers, ensure they will not be damaged by the over high or over low voltage, users can continue the operation of equipment for a while or save the data on computers while the power network is abnormal.

▶ Wide range of AVR(Automatic voltage regulation)

In the product's input voltage range and under 3 steps of intelligent AVR function, it can provide a stable output voltage.

▶ Automatic self detection when UPS power on.

Before the UPS on (LCD), red, yellow, blue LED will light up two times by cycle turns, after self detection UPS switch to AC mode/battery mode or working mode.

▶ Overload protection

In the battery mode, output voltage turn down correspondingly when it is overload, after the capacity of load is lower than the rated power then output voltage will back to rated value, it ensures the UPS will not shut down by abrupt overload which caused by surging current during the computer is working and other equipment is added.

▶ Power manager

Standard interfaces RS232 / USB can perform on-screen management of governance, more convenient through energy monitoring software.

APPLICATION UPS

Epos

Computer

Smart phone

Wifi

CCTV

Modem

Led Light

Switch

Scan

Printer

Timekeeper

FEATURES

* Wide range of input voltage and high input power factor
* System Efficiency AC mode 98%. PF 0.6
* LED display : AC mode, battery mode, Overload…
* Warning battery low by sound
* Silence working
* Abundant interface：RS232,USB, RJ45
* Power-on self test
* Automatic charging in OFF/ON mode
* Auto sensing frequency input
* CPU controlled technology
* Generator Compatible UPS
* Auto power on when AC recovery
* Can use with small load: modem, switch, Wifi, Led Light…..
* Function AVR (auto voltage regular)
* Automatically transferred to battery mode when input over voltage or under voltage
* Protection: overvoltage, undervoltage, short circuit, and over load
* Connect to computer by USB port
* Power manager allows monitoring, automatic on / off UPS and system
* **We provide replacement and repair service with genuine parts. Commit to support repair,**
* **replacement parts 10 years**

BL SERIES LINE INTERACTIVE OFFLINE

MODEL	BL1000	BL1200	BL1500	BL1600
Capacity	1000VA/600W	1200VA/720W	1500VA/900W	1600VA/960W
Power factor	0.6 PF			
System efficiency	AC mode 98%			
Auto restart	UPS auto shutdow when battery low, and auto restart when AC recovery			
INPUT				
Voltage range	220VAC (175V~275V)			
Frequency	50/60Hz (46~64) auto sensing			
Phase	1 phase (N-L-G)			
OUTPUT				
Voltage	220VAC±10% .			
Frequency	50Hz/60Hz±0.5Hz auto sensing.			
Wave form	Modified sine wave PWM (battery mode)			
Technology	Line interactive Offline			
Transfer Time	2~6 ms (Max 10ms)			
BATTERY				
Battery type	Battery Free maintenance valve regulated lead-acid battery.			
Capacity battery	12V 7Ah*2	12V 7Ah*2	12V 9Ah*2	12V 9Ah*2
Charger time	6 hours to 90% capacity.			
BACKUP TIME				
Battery mode	UPS auto shutdown when battery low			
1 PC (CPU +LCD 24')	55 phút	55 phút	1 giờ 36 phút	1 giờ 36 phút
2 PC (CPU +LCD 24')	25 phút	25 phút	30 phút	30 phút
3 PC (CPU +LCD 24')	N/A	N/A	23 phút	23 phút
4 Cameras system	4 giờ 20 phút	4 giờ 20 phút	6 giờ	6 giờ
8 Cameras system	2 giờ 14 phút	2 giờ 14 phút	2 giờ 35 phút	2 giờ 35 phút
16 Cameras system	1 giờ	1 giờ	1 giờ 10 phút	1 giờ 10 phút
32 Cameras system	27 phút	27 phút	31 phút	31 phút
Overload	110% keep in 10 seconds			
SPECIAL FUNCTION				
Use for load	Camera system, Pos machine, cash register system, safe sorting money, bill printer, timekeeper, wifi, modem, switch, desk lamp, Led light, Laptop, phone charger, backup charger, pump aquarium....			
Immortal fuse	Surge protection against surge current, fuse will automatically disconnect the AC input, press the fuse to restore the working state			
SAFETY				
Certification	**CE(EN60950)**			
EMI	**EN62040-2 Class A**			
Protection	Low Voltage, Over voltage, Overload, Short circuit..			
COMMUNICATION INTERFACE				
Control Panel	Power On/Off, LED			
LED display	AC mode, Battery mode, Overload, UPS Fault			
Connect computer	USB Port			
Softwave	Manager Power allows monitoring, automatic on / off UPS and system with all Windows			
ENVIRONMENT				
Temperature working	0°~40°, Humidity 20%~90% non-condensing.			
Noise	25 Db (Buzz)			
Fan cooling	N/A			
PHYSICAL				
UPS W*D*H(mm)	335*120*190 (10.5 kg)	335*120*190 (11 kg)	335*120*190 (11.5 kg)	335*120*190 (12 kg)
Package size UPS (mm)	405*195*280 (11 kg)	405*195*280 (11.5 kg)	405*195*280 (12 kg)	405*195*280 (12.5 kg)

STANDARD: Conform to GB/IEC regulation: EMC:GB7260.2/IEC62040-2   GB/17626.2~5/IEC61000-4-2~5   SAFETY:GB4943