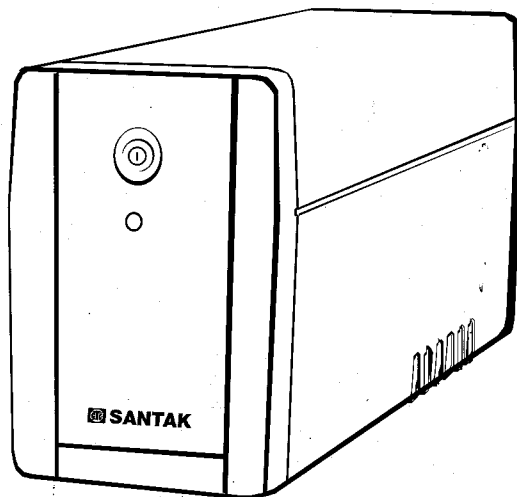


USER MANUAL

Line Interactive UPS

**for BLAZER-600E
BLAZER-800E**



Uninterruptible Power System



IMPORTANT SAFETY INSTRUCTION

SAVE THESE INSTRUCTION-This manual contains important instructions for Blazer UPS that should be followed during installation and maintenance of the UPS and batteries.

Safety -- Caution!!

- This UPS utilizes voltage that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user replaceable parts. Only factory service personnel may perform repairs.
- Internal battery voltage is 12Vdc.
- Connection to any other type of receptacle other than a two-pole, three-wire grounded receptacle may result in shock hazard as well as violate local electrical codes.
- In the event of an emergency, press the "OFF" button and disconnect the power cord from the AC power supply to properly disable the UPS.
- Do not allow any liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
- This unit intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants). Avoid installing the UPS in locations where there is standing or running water, or excessive humidity.
- Do not plug the UPS input into its own output.
- Do not attach a power strip or surge suppressor to the UPS.
- Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heater or furnaces.
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

Safety -- Caution!!

- Do not dispose of batteries in a fire as they may explode.
- Do not open or mutilate the battery or batteries. Release electrolyte is harmful to the skin and eyes. It may be toxic.
- A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:
 - 1) Remove watches, rings, or other metal objects from the hands.
 - 2) Use tools with insulated handles.
 - 3) Wear rubber gloves and boots.
 - 4) Do not lay tools or metal parts on top of batteries.
 - 5) Disconnect charging source prior to connecting or disconnecting batteries terminal.
- Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.
- When replacing batteries, replace with the same number and type of sealed lead-acid battery.

★ Wichtige Sicherheitshinweise

Bitte lesen Sie diese Hinweis sorgfältig durch.

- Vor jedem reinigen ist das Gerät vom Stromnetz zu trennen. Verwenden Sie Keine Flüssig-oder Aerosolreiniger. Am besten eignet sich ein angefeuchtetes Tuch zur Reinigung.
- Das Gerät ist vor Feuchtigkeit zu schützen.
- Öffnen Sie niemals das Gerät. Das Gerät darf aus Gründen der elektrischen Sicherheit nur von autorisiertem Servicepersonal geöffnet werden.
- Bei der Installation ist darauf zu achten, dass der Gesamtleitstrom der USV und der an der USV angeschlossenen Verbraucher den Maximalwert von 3.5mA nicht überschreiten.
- VORSICHT: Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

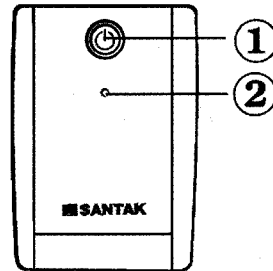


System Description

Front Panel --

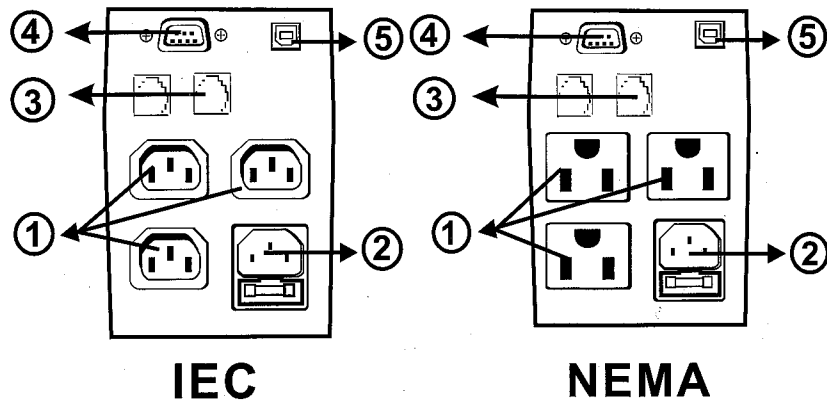
1. Power Switch
2. LED Indicators --

AC Mode: Green Lighting
 Battery Mode: Green Flashing



Back Panel --

1. Output receptacles
2. AC Input with AC fuse
3. Modem/Phoneline Surge Protection
4. RS-232 Communication Port (Option)
5. USB Communication Port



IEC

NEMA



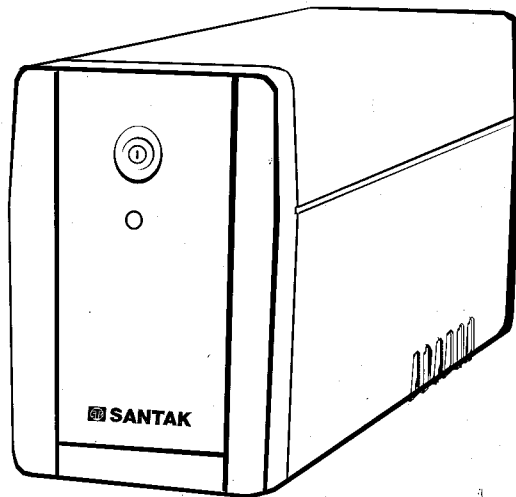
Specification

MODEL		BLAZER 600E	BLAZER 800E
CAPACITY	VA/W	600VA/360W	800VA/480W
INPUT	Voltage	110/120VAC or 220/230/240VAC	
	Voltage Range	81-145VAC or 162-290VAC	
OUTPUT	Voltage	110/120VAC or 220/230/240VAC	
	Voltage Regulation (Batt. Mode)	+/- 10%	
	Frequency	50Hz or 60Hz	
	Frequency Regulation (Batt. Mode)	+/- 1Hz	
BATTERY	Output Waveform	Modified Sinewave	
	Battery Type	Sealed, lead-acid battery, maintenance free	
TRANSFER TIME	Backup Time (at a PC load with 15" monitor)	20 minutes	28 minutes
	Recharge Time	6 hours to 90% after complete discharge	
INDICATOR	Typical	2-6 ms	
	AC Mode	Green lighting	
AUDIBLE ALARM	Backup Mode	Green flashing	
	Backup Mode	Sounding every 10 seconds	
	Low Battery	Sounding every second	
	Overload	Sounding every 0.5 seconds	
PROTECTION	Battery Replacement	Sounding every 2 seconds	
	Fault	Continuously Sounding	
PHYSICAL	Full Protection	Discharge, overcharge, and overload protection	
	Dimension (mm), DxWxH	330x100x140	
ENVIRONMENT	Net Weight	6kgs	6.5kgs
	Operating Environment	0-40C, 20-90% relative humidity (non-condensing)	
INTERFACE	Noise Level	Less than 40dB	
	Smart RS-232 (Option)	SUPPORT WINDOWS98/NT/ME/2000/XP/2003, LINUX, IBM AIX, SUN SOLARIS, HP-UX, COMPAQ TRU64, UNIX, UNIXWARE, FREEBSD and MAC	
	USB	SUPPORT WINDOWS OS	

USER MANUAL

Line Interactive UPS

for BLAZER-600E
BLAZER-800E



Uninterruptible Power System



Trouble Shooting

Symptom	Possible Cause	Remedy
No LED display on the front panel.	1. Missing battery.	1. Charge battery up to 8 hours.
	2. Battery defect.	2. Replace with the same type of battery.
	3. Power switch is not pressed.	3. Press and Hold power switch.
Alarm buzzer beeps continuously when AC supply is normal.	Overload of the UPS.	Verify that the load matches the UPS capability specified in the specs.
When power failure, back-up time is shortened.	1. Overload of the UPS.	1. Remove some noncritical load
	2. Battery voltage is too low.	2. Charge battery for 8 hours or more.
	3. Battery defect due to high temperature of operating environment, or improper operation to battery.	3. Replace with the same type of battery.
Communication lost between UPS and computer	1. Software is not installed well.	1. Check the setting of the software.
	2. Cable is not properly connected.	2. Check the RS-232 or USB cable is properly and firmly connected with the computer
Mains normal but LED is flashing.	1. Fuse is blown.	1. Replace the same type of fuse.
	2. power cord is loose.	2. Reconnect the power cord properly.

If any abnormal situations occur that are not listed above, please call service people immediately.



Introduction

This UPS is specially designed for Personal Computer with multi-functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with boost and buck AVR to stabilize its output voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supplied. Although it's a small UPS, it's equipped with Smart RS-232 and/or USB Communication Ports to offer user more benefits. The main features of Blazer UPS are listed below:

- Microprocessor control guarantees high reliability.
- Equipped with Boost and Buck AVR to stabilize its output voltage.
- DC Start Function.
- Built-in USB Communication Port. (Optional for Rs232)
- Green Power Function for energy saving.
- Auto restart while AC recovery.
- Compact size, Lightweight.
- Provides Modem Phonenumber Surge Protection
- Provide AC Overload Protection.



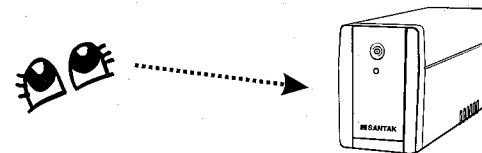
Installation and Operation

Installing the UPS is as easy as following the steps shown. Be aware of the Power Switch must be kept in the "ON" position, otherwise, the UPS will be disabled and your equipment will not be protected during a power failure.

1

Inspection

Remove the UPS from its package and inspect it for damage that may have occurred during shipping. If any damage is discovered, re-pack the unit and return it to the place of purchase.



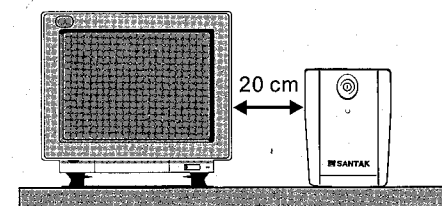
2

Placement

Install the UPS unit in any protected environment that provides adequate airflow around the unit, and is free from excessive dust, corrosive fumes and conductive contaminants. Do not operate your UPS in an environment where the ambient temperature or humidity is high.



On the other hand, place the UPS unit away from the monitor at least 20cm to avoid interference.





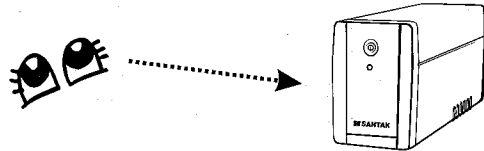
Installation and Operation

Installing the UPS is as easy as following the steps shown. Be aware of the Power Switch must be kept in the "ON" position, otherwise, the UPS will be disabled and your equipment will not be protected during a power failure.

1

Inspection

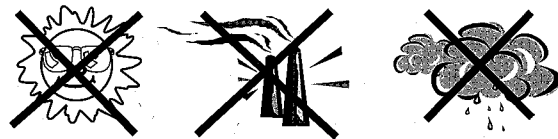
Remove the UPS from its package and inspect it for damage that may have occurred during shipping. If any damage is discovered, re-pack the unit and return it to the place of purchase.



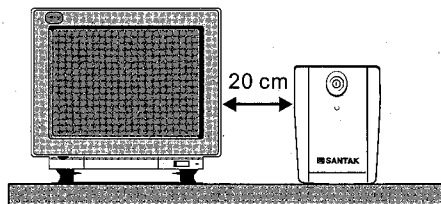
2

Placement

Install the UPS unit in any protected environment that provides adequate airflow around the unit, and is free from excessive dust, corrosive fumes and conductive contaminants. Do not operate your UPS in an environment where the ambient temperature or humidity is high.



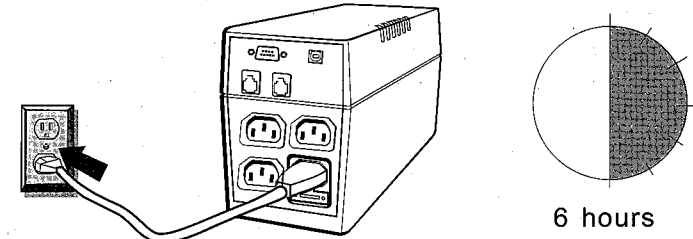
On the other hand, place the UPS unit away from the monitor at least 20cm to avoid interference.



3

Charging

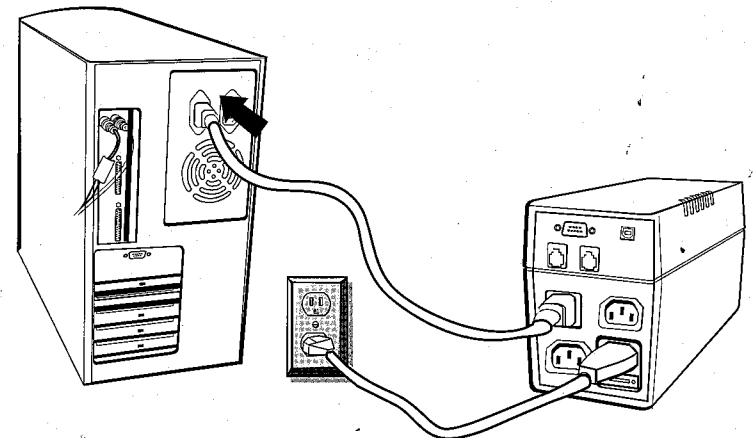
This unit is shipped from the factory with its internal battery fully charged, however, some charge may be lost during shipping and the battery should be recharged prior to use. Plug the unit into an appropriate power supply and allow the UPS to charge fully by leaving it plugged in for at least 6 hours.



4

Computer Connection

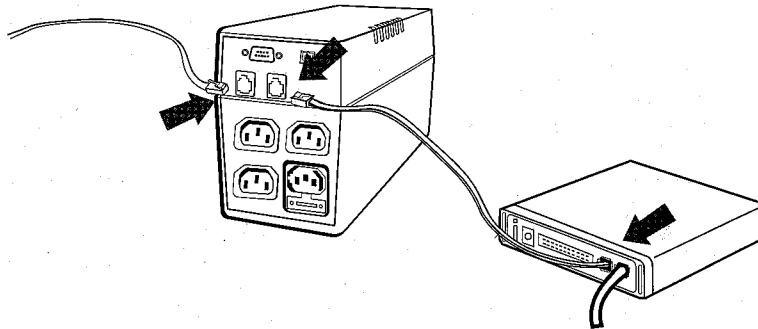
Connect one computer-related device into each of the power receptacles supplied on the back of the UPS.



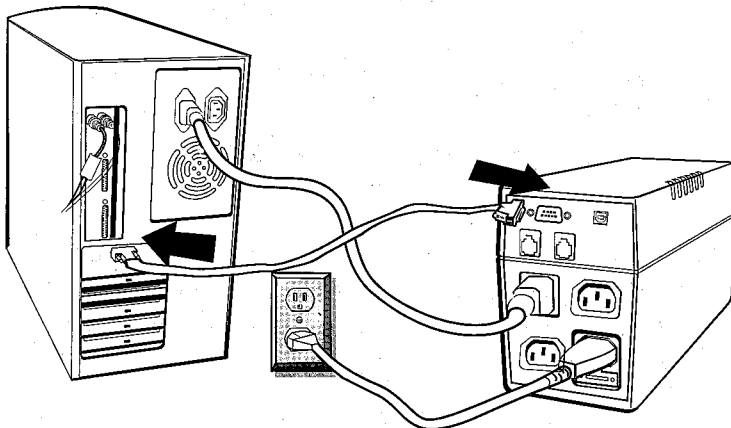
5**Modem/Phoneline Connection**

Plug incoming internet line into the "In" socket at the back of the UPS. Use on more Internet line cable and plug one end of the Internet line cable to the "Out" socket at the back of the UPS. Plug the other end of the modem or other device's input socket as shown below.

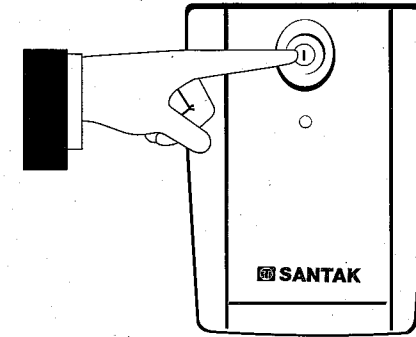
Incoming
Internet line

**6****Serial or USB cable Connection**

To allow for unattended system shutdown for your operating system if Winpower software installed, connect the serial cable or USB cable as per diagram below.

**7****Turn On/Off**

To turn on the UPS unit, press the power switch lightly. To turn off the UPS unit, press the power switch again.

**8****DC Start Function**

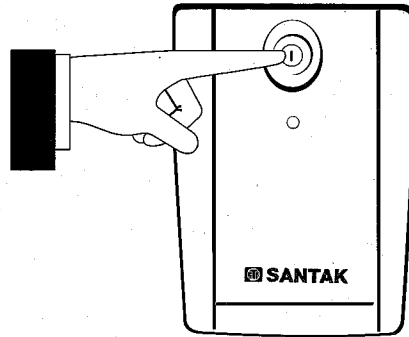
DC Start Function enables UPS to be started up when AC utility power is not available and battery is fully charged. Just simply press the power switch to turn on the UPS.

9**Green Power Function**

This Series are equipped with Green Power Function. For saving power and protecting battery, the method of discharging protection is adopted on inverter mode.

7**Turn On/Off**

To turn on the UPS unit, press the power switch lightly. To turn off the UPS unit, press the power switch again.

**8****DC Start Function**

DC Start Function enables UPS to be started up when AC utility power is not available and battery is fully charged. Just simply press the power switch to turn on the UPS.

9**Green Power Function**

This Series are equipped with Green Power Function. For saving power and protecting battery, the method of discharging protection is adopted on inverter mode.

**WinPower Software**

Winpower is a brand new UPS monitoring software which provides user-friendly interface to monitor and control your UPS. This unique software provides safely auto shutdown for multi-computer systems while the utility power failure. With this software, users can also monitor and control any UPS on the same LAN no matter how far from the UPSs.

Please refer to the installation procedures in the manual of the WinPower software or the "readme.txt" file on the software CD for further details.