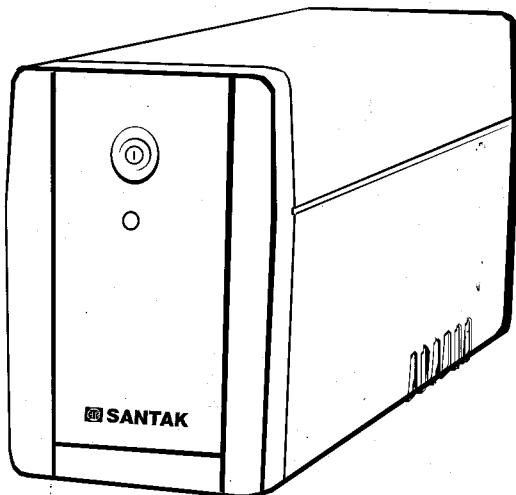


USER MANUAL

Line Interacive 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 sorgfaltig 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 Gesamtableitstrom der USV und der und 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

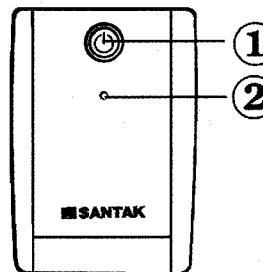
Front Panel --

1. Power Switch

2. LED Indicators --

AC Mode: Green Lighting

Battery Mode: Green Flashing



Back Panel --

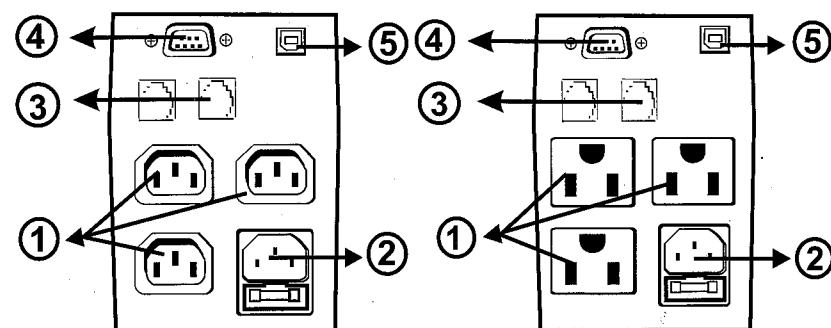
1. Output receptacles

2. AC Input with AC fuse

3. Modem/Phoneline Surge Protection

4. RS-232 Communication Port (Option)

5. USB Communication Port



IEC

NEMA



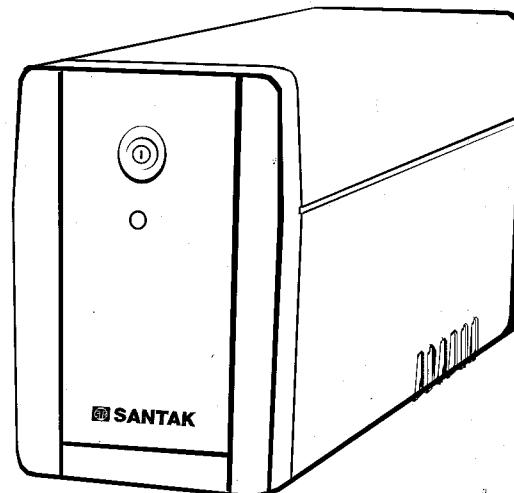
Specification

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

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614-07324-00



Trouble Shooting

Symptom	Possible Cause	Remedy
No LED display on the front panel.	1. Missing battery . 2. Battery defect. 3. Power switch is not pressed.	1.Charge battery up to 8 hours . 2.Replace with the same type of battery . 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. 2. Battery voltage is too low. 3.Battery defect due to high temperature of operating environment, or improper operation to battery .	1. Remove some noncritical load 2.Charge battery for 8 hours or more. 3.Replace with the same type of battery .
Communication lost between UPS and computer	1.Software is not installed well. 2.Cable is not properly and firmly connected with the computer	1.Check the setting of the software. 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. 2.power cord is loose.	1. Replace the same type of fuse. 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 Phoneline Surge Protection
- Provide AC Overload Protection.



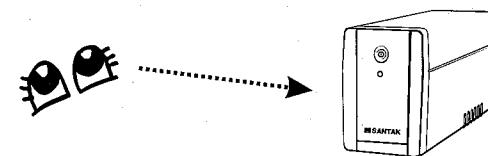
Installation and Operation

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.



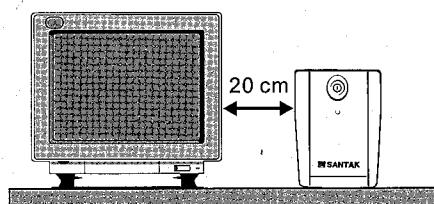
2

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.





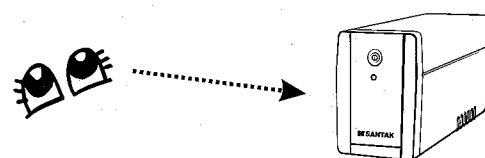
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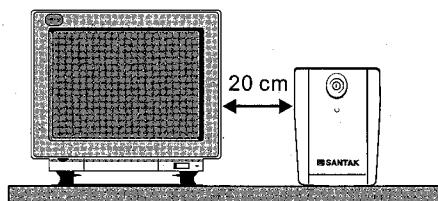
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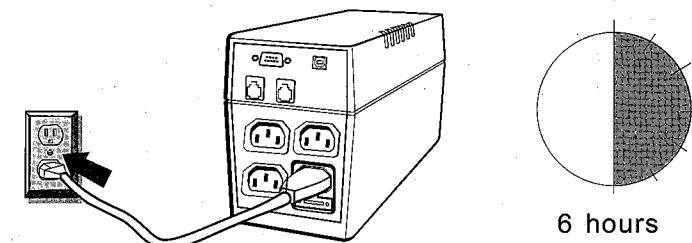
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3

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.

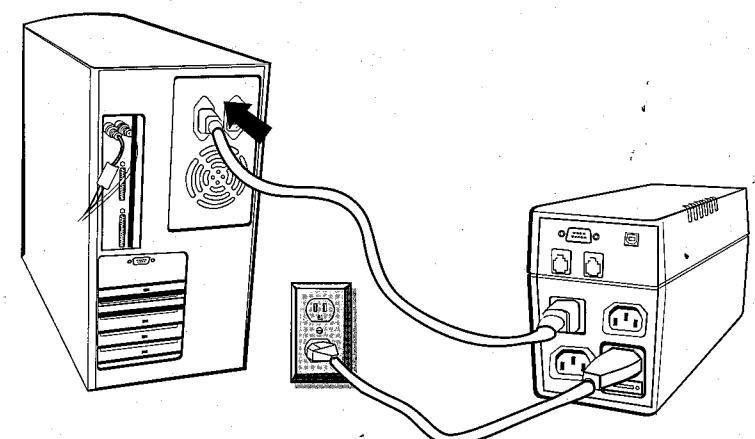


6 hours

4

Computer Connection

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

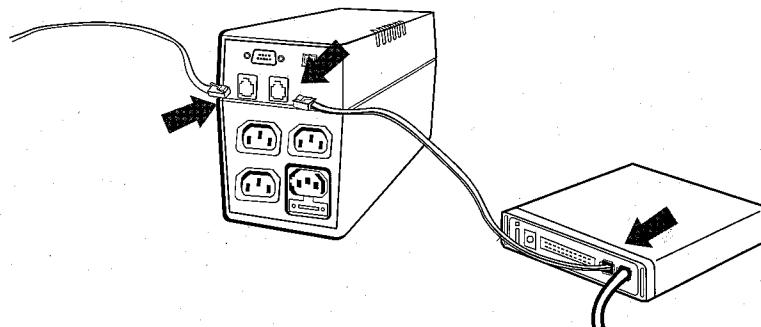


5

Modem/Phoneline Connection

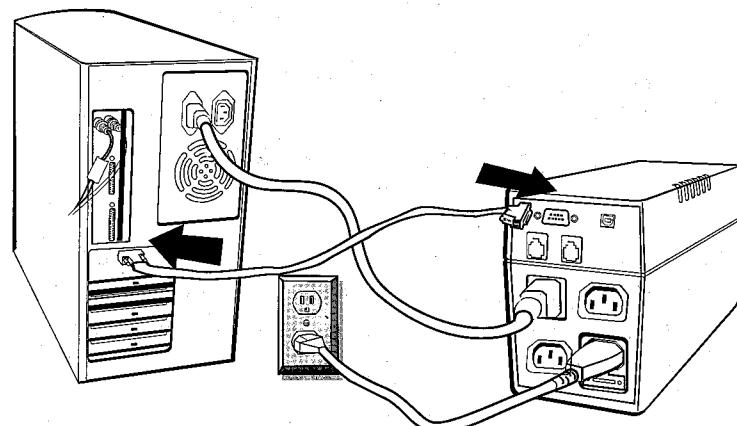
Plug incoming internet line into the "In" socket at the back of the UPS. Use one more Internet line cable and plug one end of the Internet line cable to the "Out" socket at the back of the UPS. Plug the other end of the modem or other device's input socket as shown below.

**Incoming
Internet line**

**6**

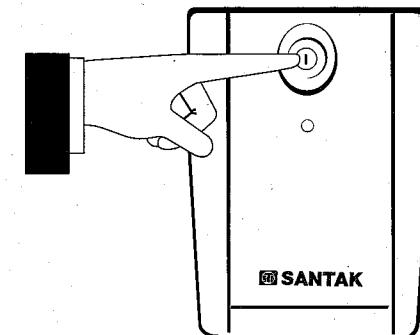
Serial or USB cable Connection

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

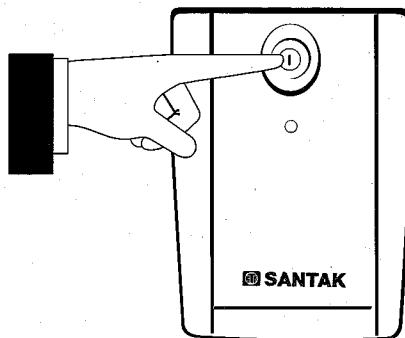
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This Series are equipped with Green Power Function. For saving power and protecting battery, the method of discharging protection is adopted on inverter mode.

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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.