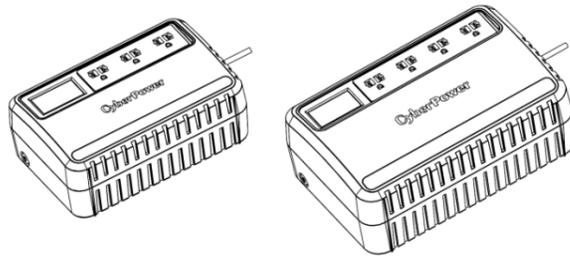


User's Manual

BU600ELCD
BU800ELCD
BU1000ELCD



K01-C000492-00

IMPORTANT SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)

CAUTION! 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 heaters or furnaces.

CAUTION! Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.

CAUTION! Do not plug the UPS input into its own output.

CAUTION! Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.

CAUTION! 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.

CAUTION! Do not attach a power strip or surge suppressor to the UPS.

CAUTION! Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

CAUTION! Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

CAUTION! The battery supply should be therefore disconnected in the plus and minus pole at the quick connectors of the battery when maintenance or service work inside the UPS is necessary.

CAUTION! Internal battery voltage is 12Vdc. Sealed, lead-acid, 6-cell battery.

CAUTION! When replacing the batteries, use the same number and type of batteries.

CAUTION! Do not dispose of batteries in a fire. The battery may explode. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes.

INSTALLING YOUR UPS SYSTEM

UNPACKING

The box should contain the following : (1)UPS Unitx1; (2)User Manualx1

OVERVIEW

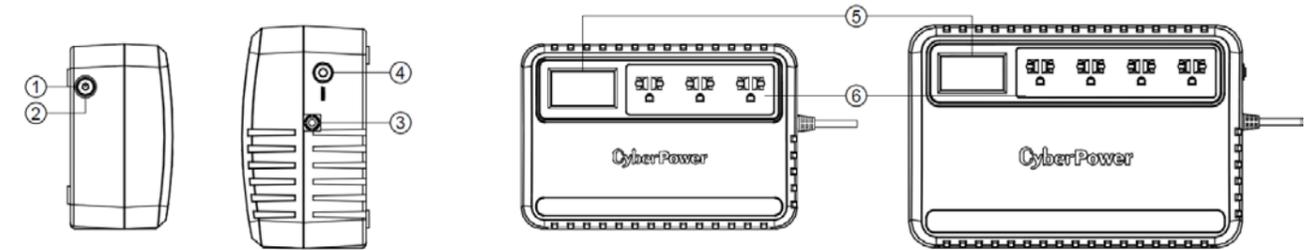
The BU600/800/1000ELCD provides automatic voltage regulation for inconsistent utility power, and provides battery backup during power outages. The BU600/800/1000ELCD ensures consistent power to your computer system.

HARDWARE INSTALLATION GUIDE

- Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on and off position.
- With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc.) into the battery power supplied outlets. **DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large electrical device into the battery power supplied outlets. The power demands of these devices will overload and possibly damage the unit.**

- Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc). Avoid using extension cords.
- Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
- If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker / fuse is normal and then turns the UPS on.
- To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
- To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

BASIC OPERATION



1. Power Switch

Press the switch for 2 seconds to turn the UPS ON or OFF.

Alarm setting: The audible alarm can be turned OFF or ON by quickly pressing the POWER button twice. The default setting is for the Alarm On. To turn the Alarm Off, quickly press the power button twice. You will hear two short beeps when the Alarm is turned off. To turn the Alarm back on, quickly press the power button twice. You will hear a single short beep when the Alarm is turned on.

2. Led Indicators

LED is illuminated when the UPS is working.

3. Input Power Cord

Connect to utility power.

4. Input Circuit Breaker(BU1000ELCD only)

The circuit breaker provides optimal overload protection.

5. LCD Display

High resolution and intelligent LCD display shows all the UPS information with icons and messages. For more information please review the "Definitions for Illuminated LCD Indicators" section.

6. AC outlet

The UPS provides outlets for connected equipment to insure temporary uninterrupted operation during a power failure and against surges and spikes.

DEFINITIONS FOR ILLUMINATED LED INDICATORS

LED	Alarm	Condition
On	Off	Normal
Flash	Beep Twice	Utility Failure - The UPS is providing battery power to outlets.
Flash	Rapid Beeping	Utility Failure - The UPS is providing battery power. The rapid beeps indicate the battery will run out of power shortly.
On/Flash	Constant Tone	Overload - Occurs when connected equipment exceeds the rating of the unit. Turn the UPS off and unplug at least one piece of equipment from the UPS.

DEFINITIONS FOR ILLUMINATED LCD INDICATORS

LCD Indication



The LCD display indicates a variety of UPS operational conditions. All descriptions apply when the UPS is plugged into an AC outlet and turned on or when the UPS is on battery.

OUTPUT voltage meter: This meter measures, in real time, the AC voltage that the UPS system is providing to the computer during normal AC/Utility Power mode, and battery backup mode.

% icon: This displays the estimate backup time percentage of the UPS with the current battery capacity and load.

NORMAL icon: This icon is lighting when the UPS is working under normal conditions. And when the UPS transfers to AVR, this icon is blinking.

BATTERY icon: During a severe brownout or blackout, this icon appears and an alarm sounds (two short beeps followed by a pause) to indicate the UPS is operating from its internal battery. The alarm will continue to sound during a prolonged brownout or blackout.

OVER LOAD icon: This icon appears and an alarm sounds to indicate the battery-supplied outlets are overloaded. To clear the overload, unplug some of your equipment from the battery-supplied outlets until the icon turns off and the alarm stops.

LOAD CAPACITY meter: This meter displays the approximate output load level of the UPS battery outlets in 25% increments.

MUTE icon: This icon is lighting when the alarm is disabled by pressing the POWER button twice quickly.

TECHNICAL SPECIFICATIONS

Model	BU600ELCD	BU800ELCD	BU1000ELCD
Capacity (VA/W)	600/360	800/480	1000/630
Input			
Voltage	220/230/240Vac		
Nominal Frequency	50 Hz		
Output			
On Battery Output Voltage	Simulated Sine Wave at 220/230/240Vac		
On Battery Output Frequency	50/60Hz +/-1%		
Overload Protection	Breaker / Fuse		
Physical			
Total UPS Receptacles	3		4
Dimensions (H x W x D)(mm)	91.5 x 158 x 240		110.5 x 190 x 290
Weight	3.8 kg	4.1 kg	6.9 kg
Battery			
Sealed Maintenance Free Lead Acid Battery	RBP0119x1	RBP0081x1	RBP0119 x2
Typical Recharge Time	8 Hours		
Warning Diagnostics			
Indicators	Power On / Using Battery		
LCD Displays	Input / Output voltage, Load Capacity, Estimate BackupTime Percentage		
Audible Alarms	On Battery, Low Battery, Overload, Fault		

Environmental	
Operating Temperature	0°C to 40°C
Operating Relative Humidity	0 to 90%
Management	
Auto-Charger	Yes
Auto-Restart	Yes

TROUBLESHOOTING

Problem	Possible Cause	Solution
The UPS does not perform expected runtime.	Batteries are not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact CyberPower Systems Technical Support.
The UPS will not turn on.	The unit is not connected to an AC outlet.	The unit must be connected to a 220-240Vac outlet.
	The battery is worn out.	Contact CyberPower Systems Technical Support.
	Mechanical problem.	Contact CyberPower Systems Technical Support.
Outlets do not provide power to equipment	Fuse is blown or breaker is tripped due to overload.	Turn the UPS off and unplug at least one piece connected equipment. Unplug the power cord of the UPS then contact CyberPower Systems technical support. or press the circuit breaker knob. Connect power cord then turn the UPS on.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
	Unit has been damaged by a surge or spike.	Contact CyberPower Systems Technical Support.

For more information, visit www.cyberpower.com

All rights reserved. Reproduction without permission is prohibited.

