IMPORTANT SAFETY WARNINGS

[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. (Please see specifications for acceptable temperature and humidity range.)

CAUTION! To reduce the risk of electric shock, do not remove the cover except to service the battery. No user-serviceable parts are inside except for battery.

CAUTION! Some components can be energized by the battery even when the AC input power is disconnected.

CAUTION! UPS must be connected to an AC power outlet which has a fuse or is connected to a circuit breaker. Do not plug into an outlet that is not grounded.

CAUTION! To avoid electrical shock, turn off the unit and unplug it from the AC power source before servicing the battery or installing a computer component.

DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT! CyberPower Systems does not warrant products for life support or medical applications. Do not use in any circumstance that would affect operation or safety of any life support equipment or with any medical applications.

DO NOT USE OR NEAR AQUARIUMS! To reduce the risk of fire or electric shock, do not use near or in an aquarium. Corrosive chemicals and humidity can cause the unit to shut off.

DO NOT USE WITH LASER PRINTERS! The power demands of these devices will overload and possibly damage the unit.

UNPACKING

Inspect the UPS upon receipt. The box should contain the following:

1. UPS unit;
2. User’s manual;
3. PowerPanel® Personal Edition software CD;
4. USB device cable;
5. Telephone cable;
6. Warranty registration card;
7. CD with CyberPower Systems software.

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Make sure that the total Volts-Amp (VA) requirements of your computer, monitor and peripheral equipments do not exceed rated VA as spec.

2. Ensure that the equipment plugged into the four battery power-supplied outlets does not exceed the UPS unit’s rated capacity. If rated unit capacities are exceeded, an overload condition may occur and cause the UPS unit to shut down or the circuit breaker to trip.

3. If the power requirements of your equipment are listed in units other than Volts-Amps (VA), convert Watts (W) or Amps (A) into Volts-Amps (VA) by using the following calculations.

   - Volts (V) x 1.73 = VA
   - Amperes (A) x 120 = VA

Add the totals up for all power of equipment and multiply this total by 0.6 to calculate actual power requirements.

There are many factors that can affect the amount of power that your computer system will require. The total load that you will be placing on the battery-powered outlets should not exceed 80% of the unit’s capacity.

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 16 hours is recommended to ensure that the battery’s maximum charge capacity is achieved. A loss of charge 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 as well as the OFF position. If you want to use the software, use the enclosed USB device cable to connect the UPS to your computer. If you are not going to use the software, you do not need to connect the cable.

2. With the UPS unit turned off and unplugged, connect your computer, monitor and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc.) into the battery powered outlets. Plug your peripheral equipment (printer, scanner, speakers) into the full-time surge protection outlets.

3. Plug the UPS into a 2 pin, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker that do not service equipment with large electrical demands (e.g. refrigerator, copier, etc.). The warranty prohibits the use ofextension cords, outlet strips, and surge strips.

4. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will “beep” once.

5. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS unit unplugged at least 30 minutes from the full-time surge protection outlets. Wait 5 minutes. Make sure the circuit breaker is depressed and then turn the UPS on.

6. The UPS is equipped with an auto-charge feature. When the UPS is plugged into an AC outlet, the battery will automatically recharge.

7. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.

8. To store your UPS for an extended period, cover it and store with the battery fully charged. While in storage recharge the battery every three months to insure battery life.

BATTERY PROTECTION PORTS

Power On Indicator

This LED is illuminated when the unit is turned on and the battery is placed into the unit. This indicator will illuminate to warn the user that a problem exists, such as bad ground, missing ground or reversed wiring. If this indicator is illuminated, the user is advised to discontinue all electrical connections to the outlet from the equipment and have an electrician check to ensure the outlet is properly wired. The unit will not provide surge protection without being plugged into a grounded and properly wired wall outlet.

Communication Protection Ports

These communication protection ports will protect any standard modem, fax or telephone line.

Circuit Breaker

Located on the side of the UPS, the circuit breaker serves to provide overload and fault protection.

Software Communication Port

The port allows connection and communication from the USB on the computer to the UPS unit. The UPS communicates its status to PowerPanel® Personal Edition software. This interface is also compatible with the Power Management provided by Windows® 2000 and Windows® XP.

Note: To install PowerPanel® Personal Edition Software the computer will need Microsoft® Internet Explorer 5.0 or higher installed.

Outlets Designed for AC Transformer

The unit has four Transformer Spaced Outlets blocks to be plugged into the UPS without blocking adjacent outlets.

Vertical Use Stand

The stand can be placed at an angle of no greater than 10° from the vertical.

LCD Module Display

High resolution and intelligent LCD panel shows all the UPS information with icons and messages. For more information please check the “Definitions for Illuminated LCD Indicators” section.

LCD panel Toggle/Select Switch

This switch can be used to select the LCD panel contents including Input Voltage, Output Voltage and Estimated Run Time. The toggle frequency is set at one time per second. Holding the switch for more than two seconds while running on battery will silence the buzzer.

DEFINITIONS FOR ILLUMINATED LCD INDICATORS

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

INPUT Voltage meter: This meter measures the AC voltage that the UPS system is receiving from the utility wall outlet. The UPS is designed, through the use of automatic voltage regulation, to continuously supply connected equipment with stable, 510/120 output voltage. In the event of a complete power loss, severe brownout, or over-voltage, the UPS relies on its internal battery to supply constant 110/220 output voltage. The INPUT voltage meter can be used as a diagnostic tool to identify poor-quality input power.

UPS Voltage meter: This meter measures, in real time, the AC voltage that the UPS system is providing to the computer, such as normal line mode, and battery backup mode. Note: The OUTPUT voltage meter shows the status of the battery backup outlets.

ESTIMATE RUN TIME: This displays the run time estimate of the UPS with the current battery capacity and load.

NORMAL icon: This icon appears when the UPS is working under normal conditions.

BATTERY icon: During a severe brownout or blackout, this icon appears and an alarm sounds (two short beeps followed by a pause). This indicates that the UPS is operating from its internal batteries. During a prolonged brownout or blackout, the alarm will sound continuously (and the BATTERY CAPACITY meter shows one 20% capacity segment shded) to indicate the UPS’s batteries are nearly out of power. You should files and turn off your equipment immediately.

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

BATT. CAPACITY meter: This meter displays the approximate charge level (in 20% increments) of the UPS’s internal battery. During a blackout or severe brownout, the UPS switches to battery power, the BATTERY icon appears, and the charge level decreases.

LOAD CAPACITY meter: This display measures the approximate output load level (in 20% increments) of the UPS’s battery outlets.

REPLACING THE BATTERY

CAUTION! Read and follow the IMPORTANT SAFETY INSTRUCTIONS before servicing the battery. Service the battery under the supervision of personnel knowledgeable of batteries and their precautions.

CAUTION! Use only the specified type of battery. See your dealer for replacement batteries.

CAUTION! The battery may present a risk of electrical shock. Do not dispose of battery in a fire as it may explode. Follow all local ordinances regarding proper disposal of batteries. Almost any retailer that sells lead-acid batteries collects used batteries for recycling, as required by most state laws.

CAUTION! Do not open or mutilate the batteries. Released electrolyte is harmful to skin and eyes and may be toxic.

CAUTION! A battery can present a high risk of short circuit current and electrical shock. Take the following precautions before replacing the battery:

1. Remove all watches, rings or other metal objects.
2. Use only tools with insulated handles.
3. Do not lay tools or metal parts on top of battery or any terminals.
4. Wear rubber gloves and boots.
5. Determine if the battery is inadvertently grounded. If grounded, remove the source of ground. CONTACT WITH GROUNDED BATTERY CAN RESULT IN ELECTRICAL SHOCK!

TO REPLACE THE BATTERY

1. Turn off and unplug all connected equipment.
2. Turn the UPS off and unplug it from the AC power source.
3. Turn the UPS upside down.
4. Remove the 1 retaining screw.
5. Slide the battery compartment cover completely off of the unit.
6. Remove the battery from the compartment.
7. Disconnect the battery wires from the battery.
8. Install the replacement battery by connecting the red wire and black wire to the positive (+) and negative (-) terminal of the battery.
9. Put the battery back into the compartment.
10. Slide back the battery compartment cover and tighten the retaining screw.
11. Recharge the unit for 4 - 8 hours to fully charge the battery.

REMEMBER: Batteries are considered HAZARDOUS WASTE and must be disposed of properly. Almost any retailer that sells lead-acid batteries collects used batteries for recycling, as required by most state laws.

TROUBLE SHOOTING

Problem Possible Cause Solution

Field trip detector

Circuit breaker has tripped due to an overload.

Field trip detector

Circuit breaker has tripped due to an overload.

Turn the UPS off and unplugging at least one piece of equipment. Wait 10 seconds, reset the circuit breaker by depressing the button, and then turn the UPS on.

The UPS does not perform expected function.

Battery is not fully charged.

Recharge the battery by leaving the UPS plugged in.

Contact CyberPower Systems about replacement batteries at tech@cyberpowersystems.com.

The UPS remains off and unplug it from the AC power source.

The UPS appliance plug.

Circuit breaker is overheating.

Enclose the appliance plug.

Remove the 1 retaining screw.

Slide the battery compartment cover completely off of the unit.

Circuit breaker has tripped due to an overload.

Contact CyberPower Systems about replacement batteries at tech@cyberpowersystems.com.

The UPS is not connected to an AC outlet.

The battery is worn out.

Mechanical problem.

Contact CyberPower Systems at tech@cyberpowersystems.com.
LTD WARRANT AND CONNECTED EQUIPMENT GUARANTEE

In purchasing a CP600US/785LC/825LCD in the United States or Canada, the original end user receives a Limited Warranty and Connected Equipment Guarantee for Connected Equipment Power Systems (US), Inc. (‘'CyberPower''). The Limited Warranty and the Connected Equipment Guarantee are intended to be the original end-users exclusive rights and remedies. The Limited Warranty and the Connected Equipment Guarantee are separate, although they are related.

Limited Warranty. The original end user (referred to as the 'Initial Customer') receives an express limited warranty (referred to as the ''Limited Warranty'') for the CP600US/785LCD/825LCD purchased from CyberPower (referred to as the 'Product'). The Limited Warranty is for the Product itself. The terms of the Limited Warranty are explained below.

Connected Equipment Guarantee. CyberPower also provides the Initial Customer with protection in the event that the Product is not free from defects in materials and workmanship and equipment plugged into the Product. The terms of the Connected Equipment Guarantee are explained below.

The Limited Warranty and the Connected Equipment Guarantee are subject to the terms set forth below. Additionally, State or Provincial law may adjust the terms of the Limited Warranty or the Connected Equipment Guarantee or the State or Province may impose additional obligations, or additional "implied warranties." To the extent necessary to comply with those laws, the terms of the Limited Warranty and the Connected Equipment Guarantee should be read to adjust to those requirements only to the extent necessary to comply with such local law.

If you are an Initial Customer, you are asked to read the following terms and conditions carefully before using the Product. By using the Product, you are being asked to become a party to the Limited Warranty and Connected Equipment Guarantee. If you do not agree to the terms and conditions of the Limited Warranty and Connected Equipment Guarantee, you should return the Product for a full refund within 10 days of the original date of purchase. To do so, you must call the following:

CyberPower warrants to you, the Initial Purchaser, that the Product will be free from defects in material and workmanship for three years from the date of original purchase, subject to the terms of this Limited Warranty.

Any implied Warranty of Merchantability or for Fitness for a Particular Purpose, if applicable to the Product, is limited to the duration of the Limited Warranty as set forth above. The last date of the Limited Warranty is the date of purchase, subject to applicable state law.

Exclusion of Certain and Other Damages. The Limited Warranty and the Connected Equipment Guarantee do not cover the following:

1. Damage from any circumstance in which the failure of the Product could lead directly to death, personal injury, or severe physical or property damage. In the event of death or personal injury, your exclusive remedies, and CyberPower's sole obligations, are as follows:
   a. If the damage to Connected Equipment is covered by the Connected Equipment Guarantee, CyberPower will (in addition to any other remedies available to the Connected Equipment Owner under the Connected Equipment Guarantee) repair, replace, or refund the cost of the Initial Customer's Connected Equipment (as defined in the Connected Equipment Guarantee). CyberPower will not be liable for any other expenses, including, without limitation, lost profits or lost business or any other incidental or consequential damages.
   b. If the damage to Connected Equipment is not covered by the Connected Equipment Guarantee, CyberPower's total liability shall be limited to the amount paid by the Initial Customer for the Product. The Connected Equipment Guarantee specifies the extent of the Initial Customer's coverage and the limits of such coverage. The Connected Equipment Guarantee clearly states the terms and conditions of the Limited Warranty and the Connected Equipment Guarantee.

2. Damage from causes other than AC Power Line Transients, spikes, or surges on properly installed, grounded and operating equipment.

3. Damage from any circumstance in which the failure of the Product could lead directly to death, personal injury, or severe physical or property damage.

4. Damage from any circumstance in which the failure of the Product could lead directly to death, personal injury, or severe physical or property damage.

5. Damage to Connected Equipment due to a defect in materials or workmanship of the Product.

6. Damage to or loss of property EXCEPT FOR (AND ONLY FOR) the specific limited agreement of CYBERPOWER to provide replacement equipment.

The Limited Warranty and the Connected Equipment Guarantee do not cover any damage to or loss of property, EXCEPT FOR (AND ONLY FOR) the specific limited agreement of CYBERPOWER to provide replacement equipment.

The Limited Warranty and the Connected Equipment Guarantee are intended to be the exclusive end-users rights and remedies. The Limited Warranty and the Connected Equipment Guarantee are separate, although they are related.

Conditions Common to the Limited Warranty and the Connected Equipment Guarantee

Your exclusive remedies and rights under the Limited Warranty are as follows for the Product:

1. Repair or replacement of the Product.
2. Refund of the purchase price of the Product.
3. Refund of the purchase price of the Product plus pro-rated service charges.
4. Refund of the purchase price of the Product plus applicable taxes.
5. Refund of the purchase price of the Product plus shipping and handling charges.
6. Refund of the purchase price of the Product plus any other reasonable cost associated with the removal, repair, or replacement of the Product.

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