

UT650EG / UT850EG User's Manual

IMPORTANT SAFETY 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 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! 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.

INSTALLING YOUR UPS SYSTEM

UNPACKING

The box should contain the following: (1) UPS Unit x1; (2) User Manual x1; (3) USB Cable x1 (only for UT850EG)

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 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

The LED indicates the status of UPS. Refer to **Definitions for Illuminated LED Indicators** section for details.

3. USB Port (only for UT850EG)

This port allows connection and communication from the USB port on the computer to the UPS. The UPS communicates its status to the **PowerPanel® Personal** software.

4. Battery Backup & Surge Protected Outlets

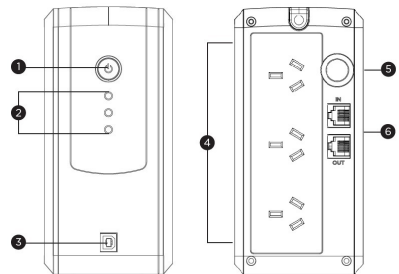
Provides battery backup and surge protection. They ensure power is provided to connected equipment over a period of time during power failure.

5. Replaceable Fuse

The fuse provides overload protection.

6. Communication Protection Ports (RJ11/RJ45)

Communication protection ports will protect any standard modem, fax, telephone line, network or Ethernet connection (RJ11/RJ45).



DEFINITIONS FOR ILLUMINATED LED INDICATORS

LED	Light	Audible Alarm	UPS Status	Description
Green	ON	-	ECO Mode	The utility is normal. The UPS operates in energy-saving mode.
	Slowly Flashing	-	Charging	The utility is normal. The UPS is charging the battery.

Yellow	ON	Beep twice every 30 seconds	Battery Mode	The UPS is providing battery power.
	Flash	Rapid Beeping	Low Battery	The UPS will run out of battery power soon.
Red	ON, Flash once every 5 seconds	Constant Tone	Battery Output Short Fault	Turn off the UPS and unplug at least one piece of equipment.
	ON, Flash twice every 5 seconds	Constant Tone	Overload Fault	Connected equipment exceeds the rating of the unit. Turn off the UPS and unplug at least one piece of equipment.
	ON, Flash 3 times every 5 seconds	Constant Tone	Charger Fault	Contact CyberPower for support
	ON, Flash 4 times every 5 seconds	Constant Tone	Hardware Fault	Contact CyberPower for support
	Flash	Constant Tone	Overload Warning	Connected equipment exceeds the rating of the unit. Turn off the UPS and unplug at least one piece of equipment.

TECHNICAL SPECIFICATIONS

Model	UT650EG	UT850EG
Capacity (VA/W)	650/360	850/425
Input		
Voltage Range	165~290Vac	
Nominal Frequency	50/60Hz +/-5Hz	
Output		
On Battery Output Voltage	220/230/240Vac	
On Battery Output Frequency	50/60Hz +/-1%	
Overload Protection	Internal Current Limiting, Fuse	
Physical		
Total UPS Receptacles	AU x 3	
Dimensions (W x H x D)(mm)	84 x 174 x 280	
Weight	3.8 kg	4.2 kg
Battery		
Sealed Maintenance Free Lead Acid Battery	RBP0119 x1	RBP0143 x1
Typical Recharge Time	6 Hours to 90% from total discharge	
Warning Diagnostics		
Indicators	Utility / Battery / Fault	
Audible Alarms	On Battery, Low Battery, Overload, Fault	
Environmental		
Operating Temperature	0°C to 40°C	
Operating Relative Humidity	0 to 90%	
Communication		
USB Interface	N/A	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 220-240V 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 replace the blown fuse with a spare one or press the circuit breaker knob. Connect power cord then turn the UPS on. Make sure that your spare fuse meets the specification.
	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

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