


CyberPower UT1500 Backup UPS System



CyberPower UT1500 Backup UPS System User Manual

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CyberPower®

CyberPower UT1500 Backup UPS System



Product Information

Specifications

- **Model:** UT1500/2200E/EI
- **Product Code:** K01-C000111-01
- **Power Capacity:**
 - **UT1500E:** 1500 VA / 900 W
 - **UT2200E:** 2200 VA / 1320 W
- **Input Voltage:** 165~290Vac
- **Frequency:** 50 Hz
- **Output Voltage:** Simulated Sine Wave at 230Vac +/-5%
- **Output Frequency:** 50 Hz +/-1%
- **Circuit Breaker/Fuse:** 4 SCHOKO, 6 IEC, 4 ASEAN, 4 INDIA
- **Weight:** 9.1 kg
- **Dimensions:** 148 x 178 x 298 mm

Product Usage Instructions

Installing Your UPS System

Before starting the installation process, unpack your UPS system and ensure that all the necessary components are included.

Hardware Installation Guide

1. Your new UPS may be used immediately upon receipt. However, it is recommended to recharge the battery for at least 8 hours to ensure maximum charge capacity.
 - To recharge the battery, simply leave the unit plugged into an AC outlet. The unit can be charged in both the on and off positions.
2. Turn off and unplug the UPS unit. Connect your 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 large electrical devices such as laser printers, copiers, space heaters, vacuums, or paper shredders into the battery power-supplied outlets as they can overload and potentially damage the unit.
3. Plug the UPS into a 2-pole, 3-wire grounded receptacle (wall outlet). Ensure that 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.
4. Press the power switch to turn the unit on. The power on the indicator light will illuminate, and the unit will emit a beep.
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 off and unplug at least one piece of equipment from the battery power-supplied outlets. Wait for 10 seconds, ensure that the circuit breaker/fuse is normal, and then turn the UPS on again.
6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
7. If you need to store your UPS for an extended period, cover it and store it with the battery fully charged. Recharge the battery every three months to ensure battery life.

Basic Operation Front Panel

- **Power Switch:** Press the switch for 2 seconds to turn the UPS ON or OFF.
- **LED Indicators:** These LEDs are illuminated when the UPS is working.
- **Battery Capability LED Indicators:** Indicate the battery capability from the bottom up.

Back Panel

- **Communication Protection Ports:** These ports protect any standard modem, fax, telephone line, or network cable.
- **Input Circuit Breaker:** The circuit breaker provides optimal overload protection.
- **Input Power Cord:** Connect to utility power.
- **Battery Backup & Surge Protected Outlets:** Provide battery backup and surge protection. They ensure power is provided to connected equipment over some time during a power failure.

FAQ

Q: Can I use the UPS immediately upon receipt?

- **A:** Yes, you can use the UPS immediately. However, it is recommended to recharge the battery for at least 8 hours to ensure maximum charge capacity.

Q: Can I plug large electrical devices into the battery power-supplied outlets?

- **A:** No, you should not plug large electrical devices such as laser printers, copiers, space heaters, vacuums, or paper shredders into the battery-power-supplied outlets.
- These devices can overload and potentially damage the unit.

Q: Can I use an extension cord to connect the UPS?

- **A:** It is recommended to avoid using extension cords.
- Plug the UPS directly into a 2-pole, 3-wire grounded receptacle (wall outlet).

Q: How often should I recharge the battery if I store the UPS for an extended period?

- **A:** If you store the UPS for an extended period, recharge the battery every three months to ensure battery life.

SAFETY INSTRUCTIONS

(SAVE THESE INSTRUCTIONS)

- This manual contains important safety instructions. Please read and follow all instructions carefully during the 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 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 before 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!** The 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 electrolytes are harmful to the skin and eyes.

INSTALLING YOUR UPS SYSTEM UNPACKING

The box should contain the following:

- UT1500/2200E-IN: (1) UPS Unit x1; (2) USB Cable x 1; (3) Warranty Card x 1; (4) User Manual x 1
UT1500/2200E-AS: (1) UPS Unit x1; (2) USB Cable x 1; (3) User Manual x 1
- PowerPanel® Personal Edition software is available on our website. Please visit www.cyberpower.com and go to the Software Section for free download.

OVERVIEW

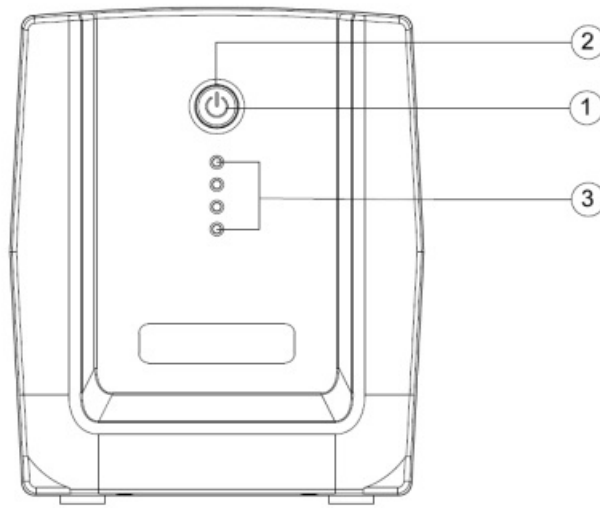
- The UT1500/2200E series provides automatic voltage regulation for inconsistent utility power and provides battery backup during power outages.
- The UT1500/2200E series ensures consistent power to your computer system.

HARDWARE INSTALLATION GUIDE

1. 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.
2. 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.
3. 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.
4. Press the power switch to turn the unit on. The power on the indicator light will illuminate and the unit will "beep".
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 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 turn the UPS on.
6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
7. To store your UPS for an extended period, cover it and store it with the battery fully charged. Recharge the battery every three months to ensure battery life.

BASIC OPERATION

Front panel



1. Power Switch

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

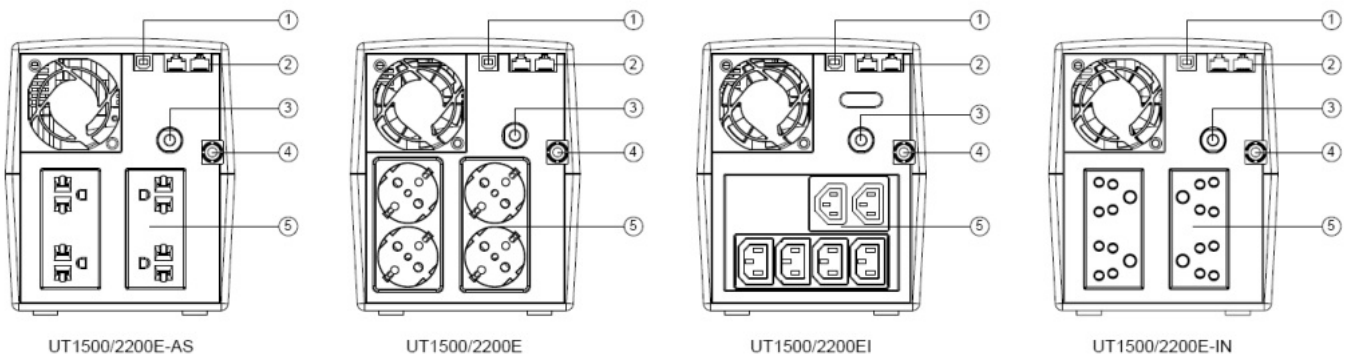
2. Led Indicators

- This LED is illuminated when the UPS is working.

3. Battery Capability Led Indicators

- Indicate the battery capability from the bottom up

Back panel



1. USB Port to PC

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

2. Communication Protection Ports

- Communication protection ports will protect any standard modem, fax, telephone line, or network cable

3. Input Circuit Breaker

- The circuit breaker provides optimal overload protection.

4. Input power cord

- Connect to utility power.

5. Battery Backup & Surge Protected Outlets


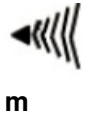
- Provide battery backup and surge protection. They ensure power is provided to connected equipment over a while during a power failure.

TECHNICAL SPECIFICATIONS

Model	UT1500 E	UT1500 EI	UT1500E	UT1500E	UT2200 E	UT2200 EI	UT2200E	UT2200E
Capacity (VA)	1500				2200			
Watt (W)	900				1320			
Input								
Voltage Range	165~290Vac							
Nominal Frequency	50 Hz							
Output								
On Battery Output Voltage	Simulated Sine Wave at 230Vac +/-5%							
On Battery Output Frequency	50 Hz +/-1%							
Overload Protection	Breaker / Fuse							
Physical								
Total # of UPS Receptacles	4 SCH OKO	6 IEC	4 ASIAN	4 INDIA	4 SCH OKO	6 IEC	4 ASIAN	4 INDIA
Dimensions (W x H x D)(mm)	148 X 178 X 298							
Weight (kg)	9.1 kg				10.8 kg			
Battery								
Sealed Maintenance Free Lead Acid Battery	RBP0089 x2				RBP0090 x2			
Typical Recharge Time	8 Hours							
Warning Diagnostics								
Indicators	Power On / Using Battery							
Audible Alarms	On Battery, Low Battery, Overload, Fault							
Surge Protection								
Network/ Phone/ Fax/ Modem Protection	YES							
Communication								
PowerPanel® Personal Edition Software	Windows 8/7/Vista/XP/2000, Server 2012/2008/2003, Linux							
Environmental								

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

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.

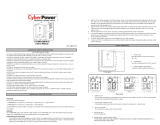
TROUBLESHOOTING

Problem	Possible Cause	Solution
The UPS does not perform the expected runtime.	Batteries are not fully charged.	Recharge the battery by leaving the UPS plugged in.
	The 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	The fuse is blown or the breaker is tripped due to overload.	Turn the UPS off and unplug at least one piece of 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 the power cord then turn the UPS on. Make sure that your spare fuse meets the specifications.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
	The 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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- 6F, No. 32, Sec. 1, Chenggong Rd., Nangang District, Taipei 115, Taiwan



Documents / Resources

	CyberPower UT1500 Backup UPS System [pdf] User Manual UT1500 Backup UPS System, UT1500, Backup UPS System, UPS System, System
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References

-  [CyberPower UPS Systems, Battery Backup, PDUs, USB Surge Protectors](#)

-  [Manual-Hub.com](https://www.manual-hub.com) - Free PDF manuals!
- [User Manual](#)

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