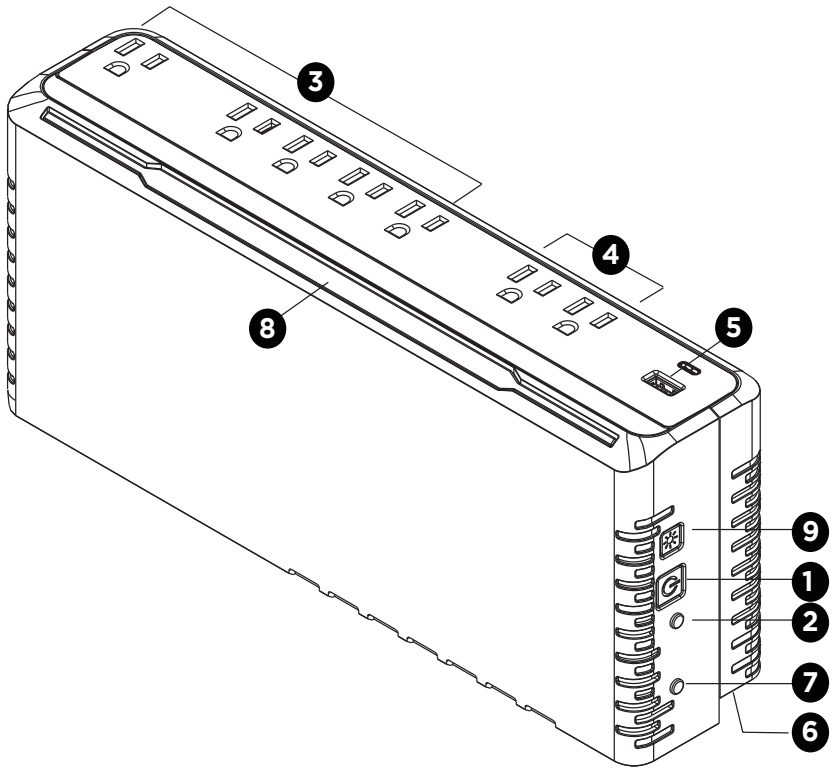
CyberPower®

YOUR ULTIMATE ALLY IN POWER

SLIM BATTERY BACKUP UPS SERIES
GX900UC / GX950UC
USER MANUAL



FEATURES

1. Power On Switch
2. Power On Indicator
3. Battery and Surge Protected Outlets
4. Full-Time Surge Protection Outlets
5. USB Charging Ports
6. Circuit Breaker
7. Wiring Fault Indicator (red)
8. Multi Color Light Bar
9. Lighting Mode Selector Button

Cyber Power Systems (USA), Inc.

4241 12th Avenue East, Suite 400 | Shakopee, MN 55379 | **CyberPowerSystems.com**

PRODUCT REGISTRATION

Thank you for purchasing a CyberPower product. This UPS is designed to provide unsurpassed power protection, operation, and performance during the lifetime of the product. Please take a few minutes to register your product at: **www.CyberPowerSystems.com/registration**.
Registration certifies your product's warranty, confirms your ownership in the event of a product loss or theft, and entitles you to free technical support. Register your product now to receive the benefits of CyberPower ownership.

IMPORTANT SAFETY WARNINGS (SAVE THESE INSTRUCTIONS)

This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries. 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. There are no user serviceable parts inside except for the battery.

CAUTION! For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

CAUTION! Hazardous live parts inside can be energized by the battery even when the AC input power is disconnected.

CAUTION! The UPS must be connected to an AC power outlet with fuse or circuit breaker protection. Do not plug into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the unit.

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

CAUTION! To reduce the risk of fire, connect only to a circuit provided with 20 amperes maximum branch circuit over current protection in accordance with the National Electric Code, ANSI/NFPA 70.

CAUTION! Not for use in a computer room as defined in the Standard for the Protection of Electronic Computer / Data Processing Equipment, ANSI/NFPA 75.

CAUTION! Do not dispose of batteries in a fire. The batteries may explode.

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

DO NOT USE FOR LIFE SUPPORT EQUIPMENT!
CyberPower Systems does not sell products for life support applications. **DO NOT** use in any circumstance that would affect the operation and safety of life support equipment or patient care. A malfunction or failure of a Staples Tech UPS systems could cause abnormal performance of life support equipment.

CAUTION! DO NOT USE WITH OR NEAR AQUARIUMS!
To reduce the risk of fire or electric shock, do not use with or near an aquarium. Condensation from the aquarium can cause the unit to short out.

CAUTION! DO NOT USE THE UPS ON ANY MEANS OF TRANSPORTATION!
To reduce the risk of fire or electric shock, do not use the unit on any transportation such as airplanes or ships. The effect of shock or vibration caused during transit and the damp environment can cause the unit to short out.

INSTALLING YOUR UPS SYSTEM

UNPACKING

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

(a) UPS unit
(b) User's manual

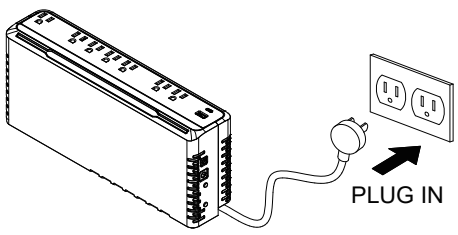
DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Ensure that the equipment plugged into the outlet does not exceed the UPS unit's rated capacity. If the rated capacities of the unit are exceeded, an overload condition may occur and cause the UPS unit to shut down or the circuit breaker to trip.
2. There are many factors that can affect the amount of power that your electronic equipment will require. For optimal system performance keep the load below 80% of the unit's rated capacity.

INSTALLING YOUR UPS SYSTEM - continued

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, after receiving a new UPS, to ensure the battery's maximum charge capacity, it is recommended that you charge the battery for at least 8 hours. Your UPS is equipped with an auto-charge feature. When the UPS is plugged into an AC outlet, the battery will automatically charge whether the UPS is turned on or turned off.
   ***Battery recharges 72 hours to 100% capacity based on CEC, Energy Star efficiency test standard.**
2. With the UPS unit turned off and unplugged, connect your equipment requiring battery backup into the battery and surge protected outlets. Plug the other peripheral equipment (printer, scanner, speakers) into the full-time surge protection outlets.
   (DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum, sump pump or other large electrical device into the "Battery and Surge Protected 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...). The warranty prohibits the use of extension cords, outlet strips, and surge strips.



4. Press the power switch to turn the unit on. The Power On indicator light will illuminate green and the unit will "beep" twice.
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. Make sure the circuit breaker is depressed 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 the UPS for an extended period of time, cover it and store with the battery fully charged. While in storage, recharge the battery every three months to ensure optimal battery life.
8. Ensure the wall outlet and UPS are located near the equipment being attached for proper accessibility.
9. Lay the UPS horizontally or use the key-hole mounting slots to affix the UPS to the wall in the proper orientation.

BASIC OPERATION

1. Power On Switch
To turn the UPS on, press the power button for approximately 2 seconds - you will hear a constant tone (1 second) - and release after a short beep.
To turn the UPS off, press the power button for approximately 2 seconds - you will hear a constant tone (1 second) - and release after two short beeps.
Alarm setting: If you need to switch the buzzer mode, double-click the power button.

Buzzer Mode	Audible Indicator	Description
Normal (Default)	1 beep	You will receive an audible notification while the UPS is on Battery Mode.
Off	2 beeps	No alarm while the UPS is on Battery Mode.
Quiet	4 beeps	You will receive an audible notification when the UPS reaches low battery status.

2. Power On Indicator
The LED indicator will illuminate green when the utility power is normal and the UPS outlets are providing power, free of surges and spikes.

3. Battery and Surge Protected Outlets
The unit has five battery powered and surge protected outlets to ensure temporary uninterrupted operation of your equipment during a power failure.
(DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum cleaner, sump pump, or other large electrical device into the "Battery and Surge Protected Outlets." The power demands of these devices will overload and possibly damage the unit.)

4. Full-Time Surge Protection Outlets
The unit has two surge suppression outlets.

5. USB Charging Ports
USB-C Output : 5Vdc, 3A
USB-A Output : 5Vdc, 2.4A
Total USB Output: 5Vdc, 3.4A Max

BASIC OPERATION - continued

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

7. Wiring Fault Indicator (red)
This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, missing ground or reversed wiring. If this is illuminated, disconnect all electrical equipment from the outlet and have an electrician verify the outlet is properly wired. The UPS will not provide surge protection without being plugged into a grounded and properly wired wall outlet.

8. Multi Color Light Bar
There are 14 light bar modes available, allowing you to choose from a variety of colors and effects to personalize your setup.

9. Lighting Mode Selector Button
1) To turn on the multi color light bar, press and hold the lighting mode selector button for 3 seconds.
2) To cycle through the lighting modes, quickly press and release the lighting mode selector button.
3) To dim or brighten the multi color light bar, quickly press the lighting mode selector button twice.
4) To turn off the multi color light bar, press and hold the lighting mode selector button for three seconds.

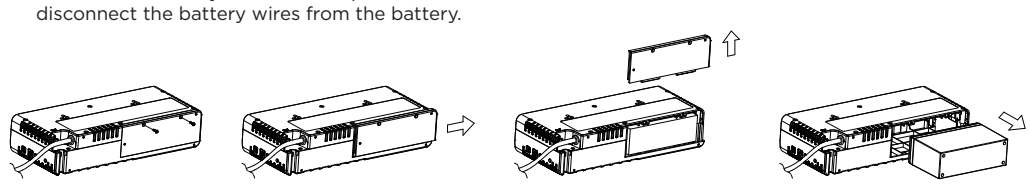
BATTERY REPLACEMENT

For Replacement of batteries located in a SERVICE ACCESS AREA - The service manual shall include the following instructions:

A) Servicing of batteries should be performed or supervised by personnel knowledgeable about batteries and the required precautions.
B) When replacing batteries, replace with the same type and number of batteries or battery packs.
C) CAUTION: Do not dispose of batteries in a fire. The batteries may explode.
D) CAUTION: Do not open or mutilate batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.
E) CAUTION: A battery can present a risk of electrical shock and high short-circuit current. The following precautions should be observed when working on batteries:
a) Remove watches, rings, or other metal objects.
b) Use tools with insulated handles.
c) Wear rubber gloves and boots.
d) Do not lay tools or metal parts on top of batteries.
e) Disconnect charging source and load prior to installing or maintaining the battery.
f) Remove battery grounds during installation and maintenance to reduce likelihood of shock. Remove the connection from ground if any part of the battery is determined to be grounded.

BATTERY REPLACEMENT PROCEDURES

1. Turn off the UPS, unplug all connected equipment and unplug the UPS from AC power source.
2. Place the UPS on its top and remove the retaining screw on the battery compartment cover.
3. Slide the battery compartment cover completely off the unit.
4. Remove the battery from the compartment and disconnect the battery wires from the battery.
5. Install the replacement battery by connecting the red wire to the positive (+) terminal and the black wire to the negative (-) terminal of the battery.
6. Slide the battery compartment cover over the battery and tighten the retaining screw.
7. Charge the unit for 8 hours to ensure the UPS performs expected runtime.



TROUBLESHOOTING

Problem	Possible Cause	Solution
The circuit breaker has tripped.	Power Supply overload.	Turn the UPS off and unplug at least one piece of equipment. Reset the circuit breaker by depressing the button, and then turn the UPS on.
The UPS does not perform expected runtime.	Battery not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is worn out.	Contact CyberPower Systems about replacement batteries at: cyberpowersystems.com/support.
The UPS will not turn on.	The on/off switch is designed to prevent damage from rapidly turning it off and on.	Turn the UPS off. Wait 10 seconds and then turn the UPS on.
	The unit is not connected to an AC outlet.	The unit must be connected to a 110/120V 50/60Hz outlet.
	The battery is worn out.	Contact CyberPower Systems about replacement batteries at: cyberpowersystems.com/support.
	Mechanical problem.	Contact CyberPower Systems at: cyberpowersystems.com/support.

Additional troubleshooting information can be found at “Support” at www.CyberPowerSystems.com

FUNCTION SETUP GUIDE – UTILITY QUALITY SETUP

*In line mode, the AC input voltage may occasional instability. To safeguard connected equipment from potential damage due to unforeseen voltage fluctuations, you can adjust the unit’s utility quality by following the steps below.

1. To ensure that the unit is in the “off” state.
2. To Enter the Utility Quality Setup mode, press and hold the Power Button approximately 5 seconds, you will hear two long beeping sounds and the Light Bar will flash rapidly.
3. The unit will show the current UTILITY QUALITY setting, as shown in the following table. Upon releasing the button, the utility quality will cyclically switch modes every 5 seconds, following the sequence: low, normal, high, low, and so on.

Multi Color Light Bar	Utility Quality	Description
Green	LOW	If Low is selected, the UPS will tolerate more power fluctuations and go to battery mode less often.
Orange	Normal(Default)	The UPS will go to Battery Mode if the power is unstable.
Red	High	If High is selected, the UPS will go to the battery mode more often to supply the cleanest power to connected devices.

4 To set up a level of utility quality, hold down the Power button 3 seconds, you will hear one beep and exit setup mode.
5. In setup mode, if there is no action within 45 seconds, the unit will exit setup mode, and no setting is done.

TECHNICAL SPECIFICATIONS

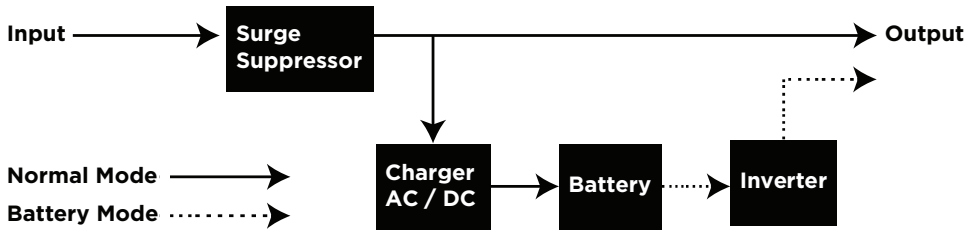
Model	GX900UC	GX950UC
Capacity	900VA / 480W	950VA / 510W
Nominal Input Voltage	120 Vac	
Input Frequency	50/60 Hz +/- 3 Hz	
On-Battery Output Voltage	120Vac +/- 5%*	
On-Battery Output Frequency	50Hz/60Hz +/- 1% (auto-sensing)	
Max. Load for UPS Outlets	900VA / 480W	950VA / 510W
Max. Load for Full-Time Surge Protection outlets	12 Amps	
On-Battery Output Wave Form	Simulated Sine Wave	
Operating Temperature	+ 32°F to 104°F / 0°C to 40°C	
Operating Relative Humidity	0 to 95% non-condensing	
Size Width/Height/Depth	12.76 x 5.4 x 2.76 in. / 324 x 138 x 70 mm	
Net Weight (lbs./kg)	7.05 lbs / 3.2 kg	7.1 lbs / 3.22 kg
Typical Battery Recharge Time	8 hours (Recover to 90% after full load discharge)	
Typical Battery Life	3 to 5 years, depending on number of discharge/recharge cycles	
Recommended Battery	Sealed Maintenance Free Lead Acid Battery	
Safety Approvals	UL1778(UPS), CSA C22.2 No. 107.3, FCC/ICES-003 Class B	

* Based on testing load less than 60%-if the load is over 60%, the output voltage range may exceed 5%.

DEFINITIONS FOR LIGHT BAR & AUDIBLE ALARMS

Buzzer Mode	Power Button illumination	Multi Color Light Bar	ALARM	CONDITION
Normal/Off/ Quiet	Solid Green	14 RGB light bar modes/Off	Off	Normal
Normal	Solid Green	The amber light illuminates for approximately 0.75 seconds and flashes twice per 4-second cycle.	Beep twice every 30 seconds	Utility Failure-Battery Mode- The UPS is providing power to battery power-supplied outlets from its battery.
Quiet/Off			Off	
Normal	Solid Green	Red and flashes every 1/2 second	Rapid beeping every 1/2 second	Utility Failure – Low Battery- The UPS is providing battery power. Rapid beeping indicates the unit will run out of power soon.
Quiet			Long Beep every 30 seconds	
Off			Off	
Normal/Off/ Quiet	green flash once every 5 seconds	RGB Off	Constant tone	Overload- Occurs when connected equipment exceeds the rating of battery outlets of the UPS. Turn the UPS off, unplug at least one piece of equipment from battery outlets, reset the circuit breaker and turn the unit on.

SYSTEM FUNCTION BLOCK DIAGRAM



CYBERPOWER GREENPOWER UPS™ TECHNOLOGY

Advanced Energy-Saving Design

The GreenPower UPS™ has a high-efficiency charger, which makes it the most energy-efficient UPS in its class. The advanced high-frequency charging system significantly improves charging efficiency and conserves energy. As a result of this advanced design, the GreenPower UPS™ uses less energy compared to competitive models. The GreenPower UPS™ is manufactured in accordance with the Restriction on Hazardous Substances (RoHS) directive making it one of the most environmentally-friendly UPS systems on the market today.

GREENPOWER UPS™
Energy-Saving Technology

FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Canadian Compliance Statement
CAN ICES-003(B)/NMB-003(B)

LIMITED WARRANTY AND CONNECTED EQUIPMENT GUARANTEE

Please visit www.CyberPowerSystems.com for a copy of the Limited Warranty and Connected Equipment Guarantee.

Where Can I Get More Information?

The application of the United Nations Convention of Contracts for the International Sale of Goods is expressly excluded. CyberPower is the warrantor under this Limited Warranty.
For further information please feel free to contact CyberPower at: Cyber Power Systems (USA), Inc. 4241 12th Ave E., STE 400, Shakopee, MN 55379; call us at **(877) 297-6937**; or submit a web ticket online at **cyberpowersystems.com/support**.

Cyber Power Systems (USA), Inc. encourages environmentally sound methods for disposal and recycling of its UPS products. Please dispose and/or recycle your UPS and batteries in accordance to the local regulations of your state.

⚠**WARNING:** This product can expose you to chemicals including Bisphenol A (BPA) and Styrene, which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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