

# CyberPower®

## User's Manual for CyberShield

**DBH36D12V**

**D-Cell Battery Holder**

CyberShield UPS and accessories are designed to provide a local power solution for cable telephony, wireless local loop (WLL), and fiber to the home (FTTH) broadband equipment.

### **IMPORTANT SAFETY WARNINGS (SAVE THESE INSTRUCTIONS)**

This manual contains important instructions regarding the installation and operation of this device. Read this manual thoroughly before attempting to unpack, install or operate this device.

**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 inside, except for the battery.

**CAUTION!** Do not mix old and new batteries.

**CAUTION!** Before replacing batteries, remove conductive jewelry such as chains, wrist watches and rings. High energy through conductive materials could cause severe burns.

**CAUTION!** Do not dispose of batteries in a fire. The battery may explode or leak if improperly disposed.

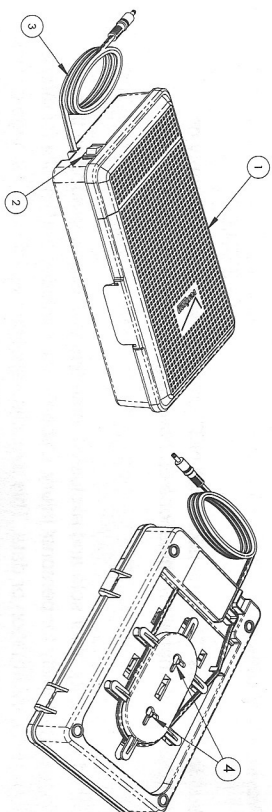
**CAUTION!** Remove batteries if consumed or if product is to be left unused for a long time. Batteries with possible signs of internal fluid leakage should be replaced with those of identical type and ratings. Electrolyte contained in the alkaline battery may be toxic. If it comes in contact with the skin or clothing, wash with plenty of soap and water.

**CAUTION!** When replacing batteries, the replacement should have the same rating as follows, D Alkaline Battery, 1.5V. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.

**CAUTION!** Do not operate close to gas or fire and let liquid and foreign objects getting inside the unit.

**CAUTION!** The maximum rated operating temperature of the batteries used may be less than our device. Do not exceed the rated operating temperature of the installed batteries.

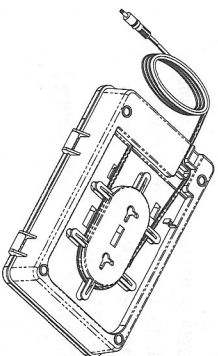
## OVERVIEW



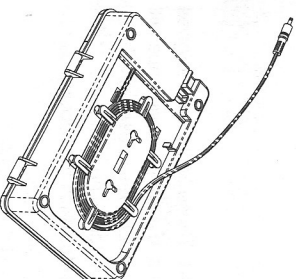
Number	Description
1	Battery Cover
2	Power Switch
3	Power Cord
4	Mounting Hole

## POWER CORD COIL STEPS

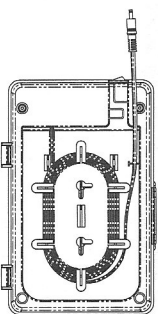
Power cord is bundled and attached within shipping package. Follow steps below to wrap up the power cord around the storage tray on the back of the unit.



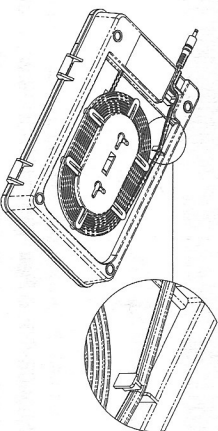
Step 1:  
Unbundle the power cord.



Step 2:  
Wrap the power cord around the storage tray counter-clockwise.



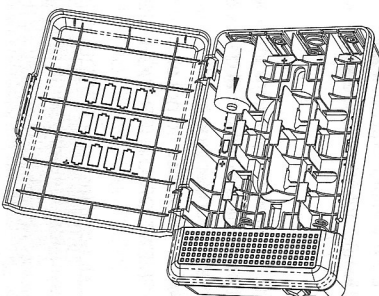
Step 3:  
Fix the power cord on the barrier with the length deemed necessary at your discretion.



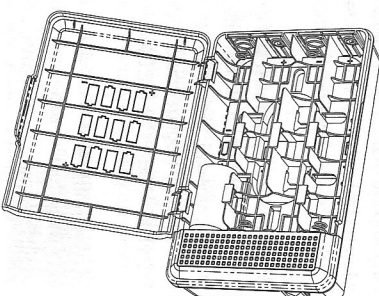
Step 4:  
Power cord can be completely wrapped up on the back of unit and with the connector fixed on the barrier when the power cord is not needed.

## BATTERY INSTALLATION STEPS

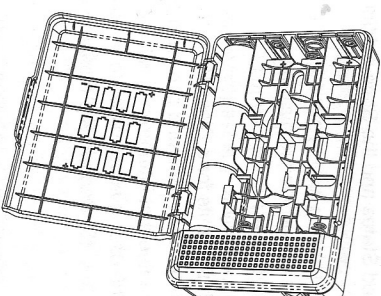
Install only D cell batteries of the same type. Install the batteries following the directions marked positive (+) and negative (-) terminals. Please turn off the unit before installing or replacing the batteries.



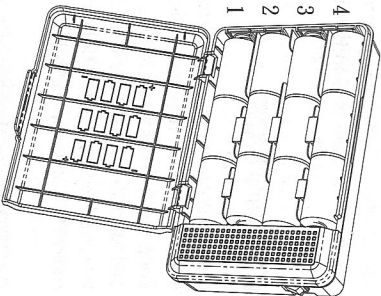
Step 1:  
Install battery starting from bottom-left side.



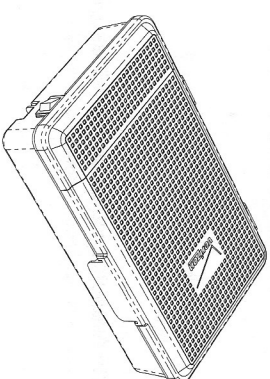
Step 2:  
Slide battery from left to right.



Step 3:  
Repeat step 1 and step 2 to install batteries until the slot is fulfilled with 3 batteries.



Step 4:  
Repeat step 1 to step 3 to install all batteries required for the remaining 3 rows.



Step 5:  
Make sure battery is fixed properly in the compartment and close the battery cover.

## BATTERY TYPE

D cell alkaline battery with nominal 1.5V each is required. To avoid possible risk, please pay attention to the following instructions aside from the caution sections above.

- The batterypack is not designed to be charged by any other electrical source.
- Disassembly or deformation of the battery could cause their leakage, overheating, or explosion due to an internal short-circuits.
- Keep batteries out of children's reach.
- Do not drop or throw batteries away, the shock caused by which might lead to distortion, leakage, overheating, or explosion.
- Batteries should be kept away from possible exposure to water.
- The battery contains alkaline liquid, a corrosive material. If the liquid comes into contact with eyes, immediately wash your eyes with massive amount of water and physician's consultation is advised, since the liquid could cause blindness. If the liquid comes into mouth, immediately wash it with massive amount of water and physician's consultation is advised.
- The alkaline liquid could also cause the skin irritation and/or chemical burns. If the liquid adheres to the skin or clothes, immediately wash it with massive amount of water.
- Keep the surface of batteries and devices clean.



The battery may be regulated by national or local regulation. Please follow the instructions of proper regulation. As electric capacity is left in a discarded battery and it comes into contact with other metals, it may lead to distortion, leakage, overheating, or explosion, so make sure to cover the (+) and (-) terminals with friction tape or some other insulator before disposal according to local regulations.

## BATTERY TESTER



Yellow appears in rectangle indicating battery is "GOOD", "OK", or "REPLACE". Please follow instructions below for the usage.

1. Hold tester with copy side up and circuit side facing battery.
2. Touch and press positive end of battery tester to positive terminal (+).
3. At the same time, wrap, touch and press negative end of battery tester to negative terminal (-).
4. Maintain constant contact with tester for 10-15 seconds.
5. Read 1.5v D cell battery:

**REPLACE-** Replace battery. **OK-** Battery usable. **GOOD-** New.

**NOTE:** Battery tester is activated by the battery being checked. Keep test time as short as possible to avoid unnecessary battery drain.

## LATCHING FEATURE

Latching feature is used to prevent the batteries discharge continuously when the voltage is lower than 11.5V. Under this condition, the output of unit will turn off. Please switch the unit to "O" (OFF) and replace the new batteries, then turn on the unit again and the latching feature will be released.

## SPECIFICATION

Model	DBH36D12V
Output	
Battery Pack Nominal Output Voltage	18Vdc
Battery Pack Rated Output Current	3A Max
Battery	
Battery Type	Alkaline Battery Size: D
Quantity of Battery	12 pcs in series
Each Battery Nominal Voltage	1.5Vdc
User Replaceable	Yes
Power Cord	
Length	10' ± 5%
Protection	
Low Voltage Protection	11.50± 0.25V@ No load. 11.25± 0.25V@ 1.6A load. 11.00± 0.25V@ 3A load. (Measured on the co-axial connector of DC cable)
Protection Device	Fuse 5A
Switch	
Function	I : Battery / O: No Output
Physical	
Maximum Dimensions (L*W*D)	25.3 x 16.5 x 5.6cm
Weight (Net)	600g (without battery)
Environment	
Operation Temperature	-20 ~ +60°C *
Operation Humidity	0 ~ 95%
Operation Elevation	0 ~ 3,000M

\* Please refer to the last item of cautions in the IMPORTANT SAFETY WARNINGS.

## LIMITED WARRANTY

CyberPower warrants to you, the Initial Purchaser, that the Product will be free from defects in material and workmanship for two years from the date of original purchase, subject to the terms of this Limited Warranty. This Limited Warranty gives you specific rights, and you may have other rights, which vary from State to State or Province to Province.

Any Implied Warranty of Merchantability or for Fitness for a Particular Purpose, if applicable to the Product, is limited in duration to two years. This provision shall NOT create any Implied Warranty or Merchantability or of Fitness for a Particular Purpose that would not otherwise apply to the Product. NOTE: Some States and Provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

To be covered you must still be the owner of the Product at the time of the failure that results in the claim made under this Limited Warranty. Your sole and exclusive remedies are those provided by this Limited Warranty. This exclusion of other express warranties applies to written and oral express warranties. CyberPower excludes any liability for personal injury. CyberPower excludes any liability for direct, indirect, special, incidental, or consequential damages, whether for damage to or loss of property, loss of profits, business interruption, information or data. This exclusion applies even though damage or loss is caused by negligence or other fault. NOTE: Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

**DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT OR OTHER HIGH RISK ACTIVITIES.**

CyberPower does not sell the PRODUCT for use in high-risk activities. The PRODUCT is not designed or intended for use in hazardous environments requiring fail-safe performance, including the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, weapons systems, life support or medical applications or for use in any circumstance in which the failure of the PRODUCT could lead directly to death, personal injury, or severe physical or property damage, or that would affect operation or safety of any medical or life support device (collectively, "High Risk Activities").

CyberPower expressly disclaims any express or implied warranty of fitness for High Risk Activities. CyberPower does not authorize use of any PRODUCT in any High Risk activities.

**ANY SUCH USE IS IMPROPER AND IS A MISUSE OF A CYBERPOWER PRODUCT.**

The Limited Warranty is governed by the laws of the United States and the State of Minnesota, without reference to conflict of law principles. The application of the United Nations Convention of Contracts for the International Sale of Goods is expressly excluded.

## FCC NOTICE

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 these 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: (1) Reorient or relocate the receiving antenna. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:** Any changes or modifications not expressly approved by Cyber Power could void the authority granted by the FCC to operate this equipment.

For more information, please contact:

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