

CyberPower

INSTALLATION AND OPERATION MANUAL

BPS240V7A

BPS240V9A

BPS192V7A

BPS192V9A

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SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

Please read this manual and follow the instructions for installation and operation.

PRODUCT SAFETY



CAUTION

A battery can present a risk of electric shock and high short circuit current. The following precaution should be observed when working on batteries:

- Remove watches, rings or other metal objects.
- Use tools with insulated handles.
- Wear rubber gloves and boots.

Do not lay tools or metal parts on top of batteries.

Disconnect the AC power prior to connecting or disconnecting terminals.

Ensure the ground terminal is disconnected during installation and maintenance to reduce likelihood of shock. If the battery is installed and grounded, disconnect the ground terminal before working on the UPS.



RISK OF ELECTRIC SHOCK

See Installation Instructions Before Connecting To The Supply.

Do Not Disconnect the Battery Connector Under Load.

Batteries are replaceable by SERVICE PERSONNEL.



BATTERY

Do not dispose of batteries in a fire as the battery may explode.

Do not open or mutilate the battery, released electrolyte is harmful to the skin and eyes.

INTRODUCTION

UPS EXTENDED BATTERY MODULES

Extended Battery Modules (EBMs) from CyberPower (BPS240V7A, BPS240V9A, BPS192V7A, BPS192V9A) increase battery runtimes during power outages. The DC plug-and-play power connectors allow to daisy- chain additional EBMs to a UPS system.

UNPACKING PROCEDURES



Information, advice, help

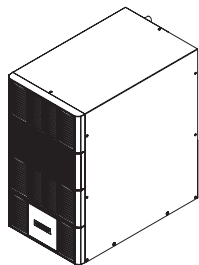
The equipment is very heavy, please handle it with care. Wear safety shoes and use a hydraulic equipment lift if one is available. At least two people are required for all handling operations, including unpacking, lifting, and installation in a rack system. Do not use the lifting straps to carry the unit around; they are provided to manually unpack the unit only.

Inspect it for shipping damage. If any shipping damage is found, report it to the carrier and your local dealer immediately.

Check the accessories included against the packing list. If there is any discrepancy, contact your local dealer immediately.

INTRODUCTION

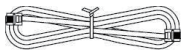
WHATS IN THE BOX



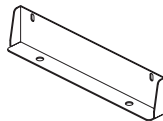
1



2



3



4



5

#	CONTENT	QTY
1	EBM	1
2	User's Manual	1
3	Phone Cable	1
4	L-shaped Plate	2
5	M4X10L Screws	4

INTRODUCTION

UNPACKING PROCEDURES



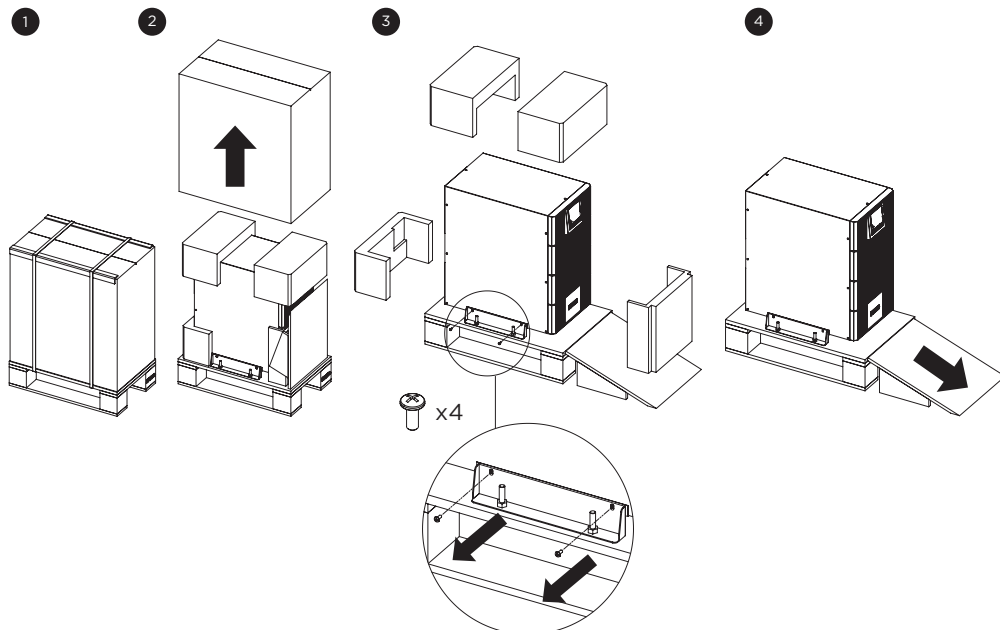
Information, advice, help

The equipment is very heavy, please handle with care. Wear safety shoes and use a hydraulic equipment lift if one is available. At least two people are required for all handling operations, including unpacking, lifting, and installation in a rack system. Do not use the lifting straps to carry the unit around; they are provided to manually unpack the unit only.

Inspect the EBM for shipping damage. If any shipping damage is found, report it to the carrier and your local dealer immediately.

Check the accessories included against the packing list. If there is any discrepancy, contact your local dealer immediately.

- 1 . Cut the straps.
- 2 . Remove the carton upward.
- 3 . Remove the buffering packaging and loosen four M4X10L screws between EBM and Pallet.
- 4 . Put the wood board as shown below. Make sure that the slide rests firmly against the pallet so it remains in place during unloading operations. Pull the EBM from the front with caution when sliding it off the pallet. For safety concerns, once your EBM is firmly in place, fixing the EBM on the floor by using an L-shaped Plate is highly recommended.



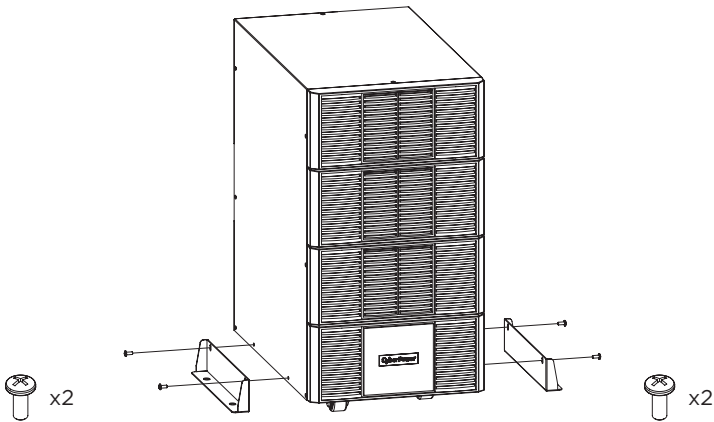
INSTALLATION

HARDWARE INSTALLATION



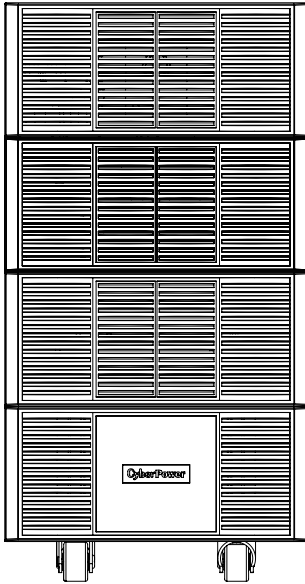
Caution - Important Instructions: Must always be followed.

The EBM is very heavy. Please handle it with care. For safety concerns, fixing the EBM on the floor by using an L-shaped Plate is highly recommended.

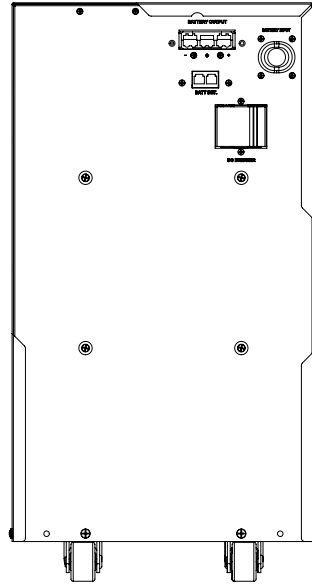


EXTENDED BATTERY MODULE INSTALLATION

BATTERY MODULE



Front Panel



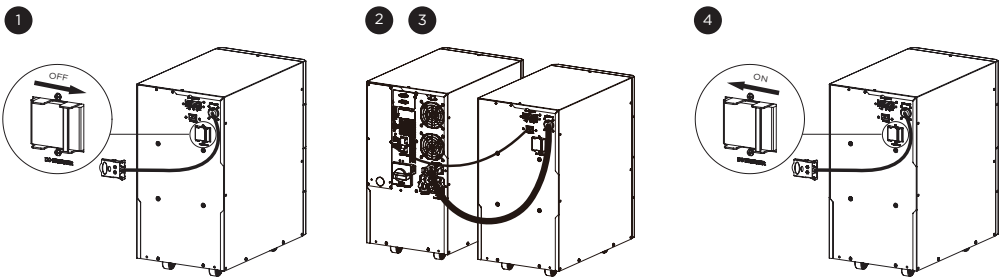
Rear Panel

EXTENDED BATTERY MODULE INSTALLATION

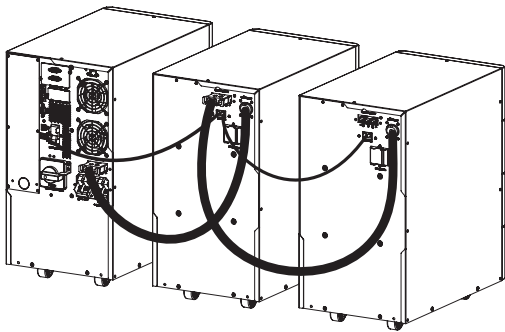
CONNECTION WITH UPS

1. UPS with one Extended Battery Module (EBM)

- Step 1:** Turn off the DC breaker on the EBM.
- Step 2:** Loosen the two screws to remove the battery cable retention bracket of the UPS.
Use the output cable of the EBM to connect the EBM to the UPS.
- Step 3:** Use the phone cable to connect the “BATT DEP.” port between UPS and EBM for EBM quantity auto-detection.
- Step 4:** Turn on the DC breaker of the EBM.



2. UPS with multiple Extended Battery Modules (EBMs)



EXTENDED BATTERY MODULES CONFIGURATION

Extended Battery Modules can be configured by the user to display correct estimated battery runtimes.

CONFIGURATION ITEM	AVAILABLE SETTING	DEFAULT SETTING	NOTE
C25 - EBM Number	Autodetect, 0-10 pack(s)	Autodetect	Autodetect is used only for CyberPower EBMs. If more than 3 EBMs are connected, auto-detection does not function.

MAINTENANCE

STORAGE

To store your EBM for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

SAFETY PRECAUTIONS



Warning: High voltage – Risk of Electric Shock

CAUTION! Only use replacement batteries that are certified by Cyber Power Systems. Use of incorrect battery type is an electrical hazard that could lead to explosion, fire, electric shock, or short circuit.

CAUTION! Batteries contain an electrical charge that can cause severe burns. Before servicing batteries, please remove any conductive materials such as jewelry, chains, wrist watches, and rings.

CAUTION! Do not open or mutilate the batteries. Electrolyte fluid is harmful to the skin/eyes and may be toxic.

CAUTION! To avoid electric shock, turn off and unplug the UPS from the wall receptacle before servicing the battery.

CAUTION! Only use tools with insulated handles. Do not lay tools or metal parts on top of the UPS or battery terminals.

BATTERY DISPOSAL



Do Not Discard

Batteries are considered hazardous waste and must be disposed of properly. Contact your local government for more information about proper disposal and recycling of batteries.

Do not dispose of batteries in fire.

Cyber Power Systems encourages environmentally sound methods for disposal and recycling of its UPS products.

Please dispose and/or recycle your UPS and batteries in accordance with local regulations.

BATTERY REPLACEMENT

For battery procurement, go to www.CyberPower.com, or contact your local dealer.

When the Replace Battery the LCD displays Service Battery, use PowerPanel Business Agent software or log on to the RMCARD to perform a runtime calibration to verify battery capacity is sufficient and acceptable.

Please read and follow the Safety Instructions before servicing the battery. Battery replacement should be performed by trained personnel who are familiar with the procedures and safety precautions. Make a note of the Replacement Battery part number.

TECHNICAL SPECIFICATIONS

Models	BPS240V7A	BPS240V9A	BPS192V7A	BPS192V9A
CONFIGURATION				
DC Output Voltage	240 Vdc		192 Vdc	
PHYSICAL				
Dimensions (mm)	W x H x D = 270 x 520 x 460			
BATTERY				
Specifications	12V x 20 pcs x 2 sets		12V x 16 pcs x 2 sets	
ENVIRONMENT				
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)			
Operating Relative Humidity	0 to 90% Non-Condensing			

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