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› SigmasTek APC BK500MC UPS Replacement Battery User Manual

SigmasTek BK500MC

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INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your SigmasTek APC BK500MC UPS Replacement Battery. Please read this manual thoroughly before proceeding with installation or use.

IMPORTANT SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the battery or equipment:

- **Wear appropriate personal protective equipment (PPE)**, including safety glasses and gloves, when handling batteries.
- **Do not short-circuit the battery terminals.** This can cause severe burns, fire, or explosion.
- **Avoid contact with battery acid.** If contact occurs, flush immediately with water and seek medical attention.
- **Do not dispose of batteries in fire.** Batteries may explode.
- **Recycle used batteries properly.** Refer to local regulations for disposal.
- **Ensure the UPS is powered off and disconnected from the AC supply** before attempting battery replacement.

SETUP AND INSTALLATION

This section guides you through the process of replacing the battery in your APC BK500MC Uninterruptible Power Supply (UPS).

1. **Prepare the UPS:** Turn off the UPS and unplug it from the wall outlet. Disconnect any connected devices.
2. **Access the Battery Compartment:** Locate and open the battery compartment on your APC BK500MC UPS. This usually involves removing a cover or panel. Refer to your UPS's original manual for specific instructions.
3. **Disconnect Old Battery:** Carefully disconnect the existing battery from the UPS. Note the polarity (+ and -) of the connections before removal. You will reuse the existing cables and hardware.
4. **Remove Old Battery:** Extract the old battery from the compartment.

5. **Insert New Battery:** Place the new SigmasTek APC BK500MC replacement battery into the compartment. Ensure it fits securely.
6. **Connect New Battery:** Reconnect the existing cables and hardware to the new battery, ensuring correct polarity. The positive (+) terminal connects to the positive cable, and the negative (-) terminal connects to the negative cable.
7. **Secure Compartment:** Close and secure the battery compartment cover.
8. **Initial Charge:** Plug the UPS back into the wall outlet and turn it on. Allow the UPS to charge the new battery for at least 8-12 hours before connecting critical equipment to ensure full capacity.



Image: SigmasTek APC BK500MC UPS Replacement Battery. This image displays the compact, sealed lead-acid battery designed for UPS systems, featuring its terminals and branding.

OPERATING INSTRUCTIONS

Once installed and fully charged, the SigmasTek APC BK500MC battery operates as an integral part of your UPS system. This battery is a rechargeable, maintenance-free, sealed lead-acid (SLA) battery utilizing Absorbent Glass Mat (AGM) technology. It is designed to provide reliable backup power during outages and protect your connected equipment from power fluctuations.

The UPS will automatically manage the charging and discharging cycles of the battery. No user intervention is typically required for its operation beyond initial installation and charging.

MAINTENANCE

The SigmasTek APC BK500MC battery is designed for maintenance-free operation. It features a spill-proof construction and does not require water additions or electrolyte checks.

- **Cleaning:** Keep the battery terminals and surrounding area clean and free of dust. Use a dry cloth for cleaning. Do not use solvents or abrasive cleaners.
- **Storage:** If the battery is to be stored for an extended period, ensure it is fully charged before storage. Store in a cool, dry place. Recharge the battery every 3-6 months to prevent deep discharge and extend its lifespan.
- **Inspection:** Periodically inspect the battery and its connections for any signs of damage, corrosion, or loose connections.

TROUBLESHOOTING

- If you experience issues with your UPS after battery replacement, consider the following:
- **UPS Not Turning On:** Ensure the battery connections are secure and correctly polarized. Verify the UPS is plugged into a working AC outlet.
 - **Short Runtime:** The battery may not be fully charged. Allow the UPS to charge the battery for the recommended 8-12 hours. If the issue persists, the battery may be faulty or nearing the end of its service life.
 - **UPS Alarms:** Refer to your APC UPS user manual for specific alarm codes and their meanings. Many alarms relate to battery status.
 - **Loose Connections:** Always double-check that all battery cables are firmly attached to the terminals.

If troubleshooting steps do not resolve the issue, contact SigmasTek customer support or a qualified technician.

SPECIFICATIONS

Feature	Detail
Brand	SigmasTek
Model Name	BK500MC
Battery Cell Composition	Lead Acid (AGM)
Reusability	Rechargeable
Unit Count	1 Count
Item Dimensions (L x W x H)	5.95 x 2.56 x 3.7 inches
Item Weight	5.25 Pounds
Certifications	U.L. Recognized and CE Certified

WARRANTY INFORMATION

The SigmasTek APC BK500MC UPS Replacement Battery comes with a **1 Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, improper installation, or unauthorized modifications.

CUSTOMER SUPPORT

For technical assistance, warranty claims, or further inquiries regarding your SigmasTek APC BK500MC UPS Replacement Battery, please contact SigmasTek customer support. Refer to the official SigmasTek website or your purchase documentation for current contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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