

UPS Battery Center BT12-12

UPS Battery Center BT12-12 12V 12Ah SLA Replacement Battery User Manual

INTRODUCTION

This manual provides essential information for the safe and effective use of your UPS Battery Center BT12-12 12 Volt 12 Amp-hour (Ah) Sealed Lead Acid (SLA) Replacement Battery. This battery is designed to deliver reliable power for various applications, including Uninterruptible Power Supply (UPS) systems. Please read these instructions carefully before installation and use.

PRODUCT FEATURES

- **Model:** BT12-12
- **Voltage:** 12 Volts
- **Capacity:** 12 Amp-hours (Ah)
- **Terminal Type:** F2
- **Battery Type:** Sealed Lead Acid (SLA), maintenance-free, non-spillable, valve-regulated.
- **Compatibility:** Designed as a replacement for UB12120 (D5775), BT12-12, LP12-12, RT12120, NP12-12, PS-12120, and YT-12120D batteries.
- **Expected Lifetime:** 3-5 years under optimal conditions.

INSTALLATION INSTRUCTIONS

Follow these steps for safe installation of your replacement battery. Always refer to the equipment's original manual for specific battery replacement procedures.

1. **Safety First:** Before beginning, ensure the equipment is turned off and disconnected from its power source. Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
2. **Identify Terminals:** Locate the positive (+) and negative (-) terminals on both the new and old batteries. The BT12-12 battery features F2 terminals.
3. **Disconnect Old Battery:** Carefully disconnect the negative (-) terminal first, followed by the positive (+) terminal of the old battery. Avoid touching both terminals simultaneously with tools or hands.

4. **Remove Old Battery:** Gently remove the old battery from its compartment. Note its orientation for correct placement of the new battery.
5. **Insert New Battery:** Place the new UPS Battery Center BT12-12 battery into the compartment, ensuring it is oriented correctly.
6. **Connect New Battery:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are secure and tight.
7. **Verify:** Double-check all connections for proper polarity and tightness.
8. **Power On:** Reconnect the equipment to its power source and turn it on. Allow the battery to fully charge before relying on it for backup power.

***Important:** Improper installation can lead to equipment damage or personal injury. If you are unsure, consult a qualified technician.*

OPERATING GUIDELINES

The BT12-12 is a maintenance-free battery. Proper usage ensures optimal performance and longevity.

- **Initial Charge:** Upon installation, allow the battery to undergo a full charge cycle. This may take several hours depending on the charging system.
- **Temperature:** Operate the battery within its recommended temperature range (typically 20°C to 25°C or 68°F to 77°F) for best performance and lifespan. Extreme temperatures can reduce battery life.
- **Avoid Deep Discharge:** While SLA batteries can tolerate deep discharges, frequent deep discharges can shorten their lifespan. It is best to keep the battery charged.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and recharge it every 3-6 months to prevent irreversible capacity loss. Store in a cool, dry place.

MAINTENANCE

The UPS Battery Center BT12-12 is a sealed, maintenance-free battery, meaning it does not require water additions. However, periodic checks are recommended:

- **Visual Inspection:** Periodically inspect the battery for any signs of physical damage, cracks, leaks, or swelling.
- **Terminal Cleanliness:** Ensure battery terminals are clean and free of corrosion. If corrosion is present, disconnect the battery (negative first, then positive) and clean the terminals with a wire brush and a solution of baking soda and water. Rinse and dry thoroughly before reconnecting.
- **Connection Tightness:** Verify that terminal connections remain tight. Loose connections can lead to power loss and heat buildup.
- **Environmental Conditions:** Ensure the battery is operating in a well-ventilated area and not exposed to excessive heat or direct sunlight.

TROUBLESHOOTING

If you experience issues with your battery, consider the following common troubleshooting steps:

- **Battery Not Charging:**
 - Check all connections to ensure they are secure and correctly polarized.
 - Verify that the charging equipment (e.g., UPS, charger) is functioning correctly.
 - Ensure the battery is within its operational temperature range.

- **Shortened Runtime:**

- The battery may not be fully charged. Allow for a complete charge cycle.
- The battery may be nearing the end of its service life.
- Operating in extreme temperatures can reduce capacity.

- **Swollen or Leaking Battery:**

- Immediately disconnect the battery from the equipment.
- This indicates a serious issue. Do not attempt to recharge or use the battery. Contact support for replacement and proper disposal.

For persistent issues, refer to the support section or contact UPS Battery Center directly.

TECHNICAL SPECIFICATIONS

Feature	Specification
Nominal Voltage	12V
Nominal Capacity	12Ah
Terminal Type	F2
Weight	7.3 Lbs (approximately 3.31 kg)
Dimensions (L x W x H)	6" x 3.9" x 3.8" (152 mm x 99 mm x 97 mm)
Expected Lifetime	3-5 years
Manufacturer	UPS Battery Center Ltd

WARRANTY INFORMATION

The UPS Battery Center BT12-12 replacement battery is covered by a 1-year full replacement warranty from the date of purchase. This warranty covers manufacturing defects. It does not cover damage due to misuse, improper installation, or normal wear and tear.

For warranty claims, please retain your proof of purchase and contact UPS Battery Center customer support.

SUPPORT AND CONTACT INFORMATION

For technical assistance, replacement inquiries, or any questions regarding your UPS Battery Center BT12-12 battery, please contact us:

- **Toll-Free Support:** 1-888-755-7718
- **Manufacturer:** UPS Battery Center Ltd
- **Website:** www.upsbatterycenter.com (Note: This is a hypothetical link based on brand name, actual link may vary.)

RECYCLING INFORMATION

This is a Sealed Non-Spillable Lead Acid battery. Lead-acid batteries are recyclable and should not be disposed of in household waste. Proper recycling is essential to protect the environment and recover valuable materials.

BATTERY MUST BE RECYCLED.

To find a recycling center near you, please contact your local waste management authority or call 1-888-755-7718 for instructions on proper disposal and recycling.



Image: The UPS Battery Center BT12-12 battery, featuring its product label. The label includes the brand logo, a toll-free number for replacements (1-888-755-7718), a statement about the battery's high quality and suitability for UPS systems, and recycling instructions with a universal recycling symbol. It also states "SEALED NON-SPILLABLE LEAD ACID BATTERY FACTORY MUST BE RECYCLED" and "Tested and Approved".