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› PowerStar YTX30L-BS Battery Instruction Manual

PowerStar YTX30L-BS

PowerStar YTX30L-BS Battery Instruction Manual

Model: YTX30L-BS | Brand: PowerStar

INTRODUCTION

This manual provides essential information for the safe and effective use of your PowerStar YTX30L-BS AGM Rechargeable Power Sport Battery. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your battery.



Front view of the PowerStar YTX30L-BS battery, showcasing the PowerStar logo and model number.

KEY FEATURES

- **Sealed Construction:** Unique construction and sealing technique prevent electrolyte leakage from terminals or case, ensuring safe, efficient operation in any position. Classified as "Non-Spillable" and meets International Air Transport Association requirements.
- **Absorptive Glass Mat System (AGM System):** Utilizes fine mat separators (glass fiber) that absorb sufficient electrolyte for extended life and steady service. This system prevents electrolyte escape and leakage.
- **Gas Recombination:** Incorporates a unique design that effectively controls gas generation, allowing recombination of over 90% of gas generated during normal use.
- **Maintenance-Free Operation:** No need to check electrolyte specific gravity or add water during the expected floating service life.
- **Position-Free and Leakage-Free:** Combination of sealed construction and absorptive mat separators allows operation in any

position without capacity, electrolyte, or service life loss.

- **Stable Quality & High Reliability:** Provides stable and reliable performance, easily maintained for proper equipment operation. Withstands overcharge, over discharge, vibration, shock, and capable of extended storage.
- **Long Service Life:** Designed for long life in float or cyclic service.
- **Flush Terminal Design:** Features a flush terminal design for secure connections.
- **Heavy-Duty Construction:** Built with robust construction and components for durability.
- **High Cold Cranking Amps (CCA):** Delivers 400 Cold Cranking Amps for reliable starting power.
- **3-Year Free Replacement Warranty:** Backed by a comprehensive 3-year free replacement warranty.



Illustration highlighting the Absorbed Glass Mat (AGM) technology, which provides amazing shock, vibration, and heat resistance, and makes the battery leak resistant.

SETUP AND INSTALLATION

Before installation, ensure the battery is fully charged. Always wear appropriate safety gear, including gloves and eye protection, when handling batteries.

1. **Preparation:** Turn off the vehicle's ignition and remove the key. Ensure the area is well-ventilated.
2. **Remove Old Battery:** Disconnect the negative (-) terminal first, followed by the positive (+) terminal. Carefully remove the old battery from its tray.
3. **Inspect Battery Tray and Cables:** Clean the battery tray and inspect battery cables for corrosion or damage. Replace any damaged components.
4. **Install New Battery:** Place the PowerStar YTX30L-BS battery securely in the battery tray.
5. **Connect Terminals:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are tight and secure.
6. **Secure Battery:** Use the vehicle's battery hold-down mechanism to secure the battery firmly in place.



Angled view of the PowerStar YTX30L-BS battery, showing both positive and negative terminals.

OPERATING INSTRUCTIONS

The PowerStar YTX30L-BS battery is designed for reliable power delivery in various power sport applications. For optimal performance and longevity:

- Ensure the battery is fully charged before initial use.
- Avoid deep discharges, as this can shorten battery life.
- If the vehicle is stored for extended periods, use a trickle charger or battery maintainer to keep the battery charged.
- Regularly check terminal connections for tightness and cleanliness.

Your browser does not support the video tag.

Official product video demonstrating key features of the PowerStar YIX30L YB30L-B Battery, including its 3-year warranty, flush terminal design, heavy-duty construction, and 500 Cold Cranking Amps.

MAINTENANCE

The PowerStar YTX30L-BS is a maintenance-free battery, meaning it does not require water additions or specific gravity checks. However, regular checks can prolong its life:

- **Terminal Inspection:** Periodically inspect battery terminals for corrosion. If corrosion is present, clean with a wire brush and a mixture of baking soda and water. Rinse with clean water and dry thoroughly.
- **Charge Level:** For vehicles used infrequently, consider using a smart charger or battery tender to maintain optimal charge, especially during off-season storage.
- **Physical Inspection:** Check the battery case for any signs of damage, cracks, or swelling.
- **Secure Mounting:** Ensure the battery remains securely mounted in its tray to prevent vibration damage.



Top view of the PowerStar YTX30L-BS battery, showing the sealed top and terminal connections.

TROUBLESHOOTING

Common Battery Issues and Solutions

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine cranks slowly or not at all	Low battery charge, corroded terminals, loose connections, faulty starter/alternator.	Charge battery fully. Clean and tighten terminals. Test starter/alternator.
Lights dim or flicker	Low battery voltage, high electrical load.	Charge battery. Reduce electrical load if possible.
Battery not holding charge	Parasitic drain, faulty charging system, aged battery.	Check for electrical drains. Inspect charging system. Consider battery replacement if aged.

PRODUCT SPECIFICATIONS

Brand: PowerStar

Model: YTX30L-BS

Battery Type: Sealed Lead Acid (SLA) / Absorbed Glass Mat (AGM)

Voltage: 12V

Amperage: 30 Amps

Cold Cranking Amps (CCA): 400 CCA

Product Dimensions (L x W x H): 6.57" x 4.96" x 6.83"

Item Weight: 20.7 pounds

Terminal Type: Nut and Bolt

Manufacturer: BatteryJack, Inc.

UPC: 840894127175

DIMENSIONS

Made to operate in any position!

**6.93
INCHES**

**4.96
INCHES**

**6.57
INCHES**



$L = 6.57'' \times W = 4.96'' \times H = 6.93''$

Image illustrating the dimensions of the PowerStar YTX30L-BS battery: 6.57 inches length, 4.96 inches width, and 6.93 inches height.

WARRANTY AND SUPPORT

Your PowerStar YTX30L-BS battery comes with a **3-Year Free Replacement Warranty**, ensuring peace of mind regarding its quality and performance.

For technical assistance, warranty claims, or any product-related inquiries, please contact PowerStar customer support or the authorized seller, Blue Grass Wholesale.

Manufacturer: BatteryJack, Inc.

Seller: Blue Grass Wholesale

