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Technical Precision L16P-AC-6-PACK

Technical Precision Replacement Battery User Manual

Brand: Technical Precision | **Model:** L16P-AC-6-PACK

1. PRODUCT OVERVIEW

This document serves as the official user manual for the Technical Precision Replacement for Trojan L16P-AC-6-PACK battery. It is designed to provide essential information for the proper handling, installation, operation, and maintenance of this replacement battery unit.

Key Features:

- Direct replacement for Trojan L16P-AC-6-PACK batteries.
- Designed for reliable performance in compatible systems.
- Unit per sale: 1 (This manual pertains to a single replacement battery unit).



Image: A visual representation of multiple Trojan L16P-AC deep-cycle batteries. This image illustrates the type of battery for which the Technical Precision unit is a replacement. Please note that this product is for a single replacement unit.

2. SETUP GUIDE

Proper setup is crucial for the safety and performance of your replacement battery. Always follow these instructions carefully.

Safety Precautions:

- Wear appropriate personal protective equipment (PPE), including safety glasses and acid-resistant gloves.
- Ensure the installation area is well-ventilated to prevent the accumulation of hydrogen gas.
- Do not smoke or allow open flames near the battery.
- Keep metal tools away from battery terminals to prevent short circuits.

Installation Steps:

1. **Compatibility Check:** Verify that the replacement battery (Technical Precision L16P-AC-6-PACK) matches the specifications and voltage requirements of your existing battery system.
2. **System Disconnection:** Before removing the old battery, ensure the entire system (e.g., golf cart, solar system) is powered off and disconnected from any charging sources. Disconnect the negative (-) terminal first, then the positive (+) terminal.
3. **Old Battery Removal:** Carefully lift and remove the old battery. Batteries are heavy; use proper lifting techniques or equipment.
4. **Terminal Cleaning:** Clean the battery tray and cable terminals thoroughly to remove any corrosion. Use a wire brush and a baking soda/water solution if necessary, then rinse and dry.
5. **New Battery Placement:** Place the new Technical Precision battery securely in the battery tray. Ensure it is stable and will not shift during operation.
6. **Terminal Connection:** Connect the positive (+) cable to the positive (+) terminal first, then connect the negative (-) cable to the negative (-) terminal. Ensure all connections are tight and secure. Do not overtighten.
7. **Initial Charge:** After installation, perform an initial full charge cycle according to the charger manufacturer's instructions. This is crucial for conditioning the battery.

3. OPERATING INSTRUCTIONS

The Technical Precision replacement battery is designed for deep-cycle applications. Adhering to proper operating procedures will maximize its lifespan and performance.

Charging:

- Always use a charger compatible with 6-volt deep-cycle lead-acid batteries.
- Charge the battery after each significant discharge, ideally before the voltage drops below 10.5 volts (for a 6V battery).
- Avoid partial charges; aim for a full charge cycle each time.
- Ensure proper ventilation during charging as batteries can emit hydrogen gas.

Discharging:

- Avoid excessively deep discharges, as this can shorten battery life.
- Do not leave the battery in a discharged state for extended periods. Recharge promptly.

4. MAINTENANCE

Regular maintenance is essential for the longevity and optimal performance of your flooded lead-acid battery.

Electrolyte Level Check:

- Check electrolyte levels regularly, especially after charging.
- The electrolyte should cover the plates by approximately 1/2 inch (1.25 cm).
- If levels are low, add distilled water only. Do not add acid.
- Fill to the correct level, being careful not to overfill, which can cause overflow during charging.

Terminal Cleaning:

- Inspect terminals for corrosion periodically.
- Clean corroded terminals with a wire brush and a baking soda/water solution. Rinse with clean water and dry thoroughly.
- Apply a thin coat of petroleum jelly or anti-corrosion spray to the terminals to prevent future corrosion.

Storage:

- Store batteries in a cool, dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Ensure batteries are fully charged before storing for extended periods.
- Perform a maintenance charge every 30-60 days during storage to prevent sulfation.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your battery.

Common Issues and Solutions:

Problem	Possible Cause	Solution
Battery not holding charge	Sulfation, low electrolyte, faulty charger, internal cell damage	Check electrolyte levels and add distilled water if needed. Ensure charger is functioning correctly. If issues persist, consult a professional.
Low voltage output	Undercharged battery, loose/corroded connections, internal short	Perform a full charge. Clean and tighten all terminal connections. If problem persists, battery may be faulty.
Battery overheating during charge	Overcharging, high ambient temperature, internal short	Disconnect charger immediately. Ensure proper ventilation. Check charger settings. If overheating continues, discontinue use and seek professional advice.
Corrosion on terminals	Acid fumes, loose connections	Clean terminals thoroughly with baking soda solution and wire brush. Apply anti-corrosion grease. Ensure connections are tight.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Technical Precision customer support.

6. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the Technical Precision Replacement for Trojan L16P-AC-6-PACK battery.

Specification	Value
Model Name	L16P-AC-6-PACK
Brand	Technical Precision
Voltage	36 Volts (Note: This refers to the system voltage for which the L16P-AC is a component. The L16P-AC itself is typically a 6-volt battery.)
Reusability	Rechargeable
Unit Count	1.0 Count (per sale)
Manufacturer	Technical Precision
ASIN	B07F12RMNK

7. WARRANTY INFORMATION

Specific warranty terms and conditions for the Technical Precision Replacement for Trojan L16P-AC-6-PACK battery are provided by the manufacturer at the time of purchase. Please refer to the documentation included with your product or visit the official Technical Precision website for detailed warranty coverage, duration, and claim

procedures.

It is important to retain your proof of purchase for any warranty claims.

8. CUSTOMER SUPPORT

For further assistance, technical inquiries, or support regarding your Technical Precision Replacement for Trojan L16P-AC-6-PACK battery, please contact Technical Precision directly.

You can often find contact information on the product packaging, the manufacturer's official website, or through the retailer where the product was purchased.

For general inquiries or to explore other products, you may visit the [Technical Precision Store on Amazon](#).