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Beiter DC Power 12V 12AH Replacement Battery

Instruction Manual

Beiter DC Power Kid Trax 12 Volt Replacement Battery

Model: 12V 12AH with SMALL Blue Plug "GRID" Power

Introduction

This manual provides essential information for the safe and effective use of your Beiter DC Power 12 Volt 12 Amp-Hour (12V 12AH) Sealed Lead Acid (SLA) Replacement Battery, specifically designed for Kid Trax vehicles. This battery is engineered for reliability and durability, featuring a maintenance-free, valve-regulated, and spill-proof design.

The robust construction includes a non-conductive ABS plastic case, offering strong resistance to shock, vibration, chemicals, and heat. A fine fiberglass mat further enhances its performance and safety, allowing for trouble-free operation in various orientations.



Figure 1: Beiter DC Power 12V 12AH Replacement Battery with attached small blue plug.

Setup and Installation

Before installation, ensure the replacement battery matches the specifications and plug type of your original Kid Trax battery. This battery features a small blue "GRID" power plug for specific compatibility.

- **Compatibility Check:** Verify that your device requires a 12V 12AH Sealed Lead Acid battery with the specific small blue "GRID" plug.
- **Safety First:** Always disconnect the power source and wear appropriate safety gear, such as gloves and eye protection, before handling batteries.
- **Remove Old Battery:** Carefully disconnect the old battery from your Kid Trax vehicle. Note the orientation of the positive (+) and negative (-) terminals.
- **Install New Battery:** Place the new Beiter DC Power battery into the battery compartment. Connect the small blue "GRID" plug securely to the vehicle's corresponding port. Ensure the connection is firm to prevent power interruptions.
- **Initial Charge:** It is recommended to fully charge the battery before its first use to ensure optimal performance and longevity. Refer to the "Operating" section for charging guidelines.



Figure 2: Detail of the small blue "GRID" power plug, essential for compatibility.

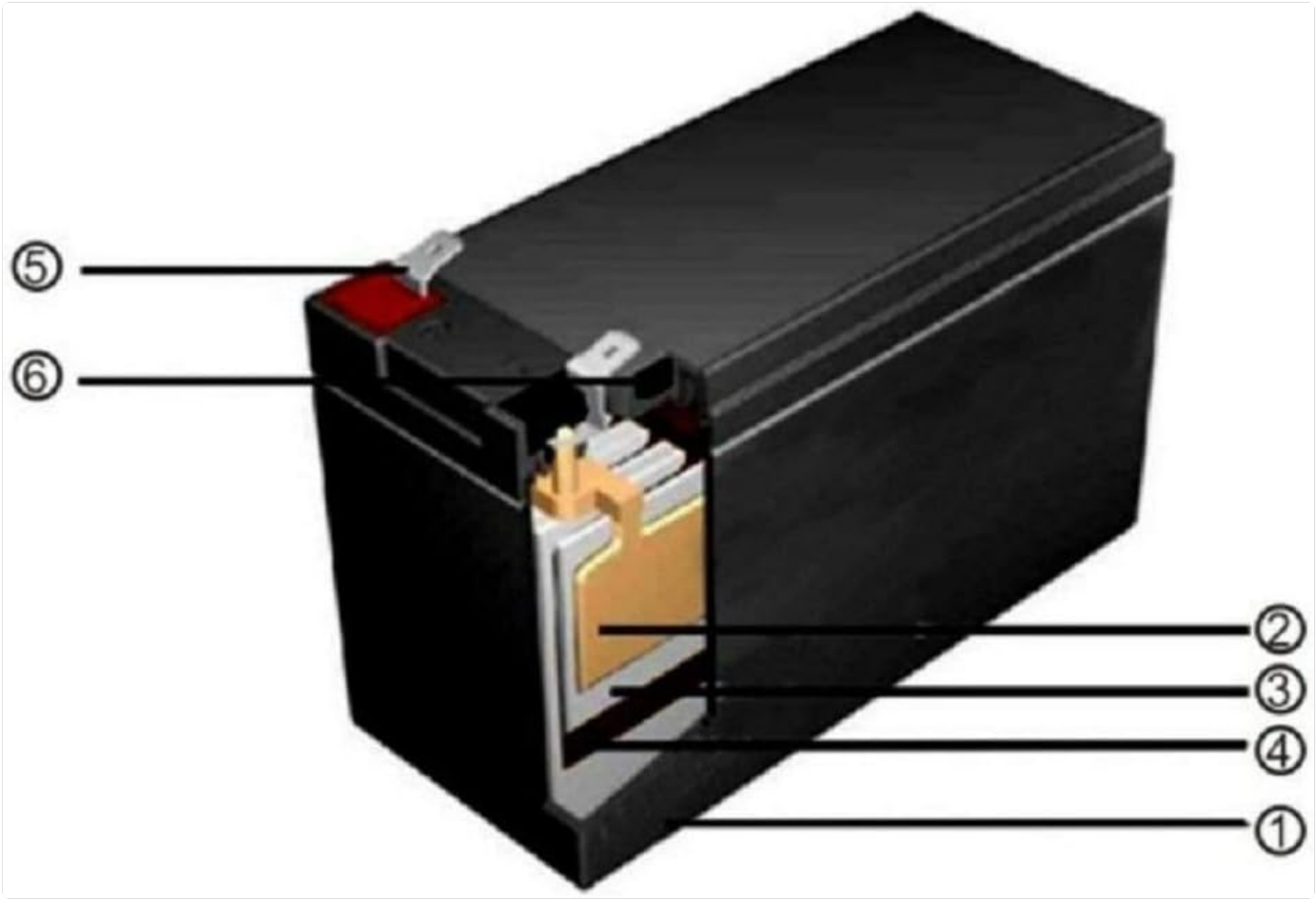


Figure 3: Internal structure of a Sealed Lead Acid battery, highlighting its robust design.

Operating Guidelines

The Beiter DC Power SLA battery is designed for ease of use and reliable power delivery. Follow these guidelines for optimal performance:

Charging

Use a compatible 12V battery charger. The battery is valve-regulated, allowing for flexible charging and discharge positions. Recommended charging parameters are:

- **Constant Voltage Charge:**
  - Standby Use: 13.6 - 13.8V
  - Cyclic Use: 14.5 - 14.9V
- **Initial Current:**
  - Standby Use: 1.05A
  - Cyclic Use: 2.1A

Important: Do not short circuit the battery. Avoid total discharging; damage may occur if the battery voltage drops below 10.8V. Do not charge in a sealed container. Always ensure adequate ventilation during charging.

Discharging

The valve-regulated, spill-proof design allows the battery to be discharged in any position. Ensure the load connected to

the battery is within its specified capacity to prevent damage or premature wear.

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Video: An overview of Beiter DC Power batteries, highlighting their features and reliability. This video demonstrates the quality and design principles of Beiter DC Power's Sealed Lead Acid batteries, including their valve-regulated design which allows for flexible positioning during use.

Maintenance

Beiter DC Power batteries are maintenance-free, meaning they do not require water additions or electrolyte checks. However, proper care can extend their lifespan:

- **Regular Charging:** Keep the battery charged, especially during periods of non-use. Storing a discharged battery can lead to irreversible damage.
- **Clean Terminals:** Periodically inspect and clean the battery terminals to ensure good electrical contact. Use a dry cloth to wipe away any dust or corrosion.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Ensure it is fully charged before long-term storage.
- **Replacement:** For optimal performance, replace the battery every 3-5 years, or sooner if performance significantly degrades.
- **Disposal:** Do not dispose of batteries in household waste. Sealed Lead Acid batteries are recyclable. Contact your local recycling center for proper disposal instructions.



Figure 4: Always recycle your old batteries responsibly.

Troubleshooting

If you encounter issues with your Beiter DC Power battery, consider the following common solutions:

- **Battery Not Holding Charge:**
  - Ensure the charger is functioning correctly and is compatible with 12V SLA batteries.
  - Verify that the battery terminals and vehicle connections are clean and secure.
  - The battery may have reached the end of its service life (typically 3-5 years).
- **Vehicle Not Powering On:**
  - Check all connections, especially the small blue "GRID" plug, to ensure they are fully seated.
  - Confirm the battery is fully charged.
  - Inspect the vehicle's fuse (if applicable). Some users have reported needing to replace a blown fuse with a

higher amperage one for certain applications.

- **Reduced Run Time:**
  - This can indicate the battery is aging or not receiving a full charge.
  - Ensure the charger is providing the correct voltage and current.
  - Consider the operating conditions; extreme temperatures or heavy loads can reduce run time.

If problems persist after attempting these solutions, contact Beiter DC Power customer support for further assistance.

Specifications

Detailed technical specifications for the Beiter DC Power 12V 12AH Replacement Battery:

Feature	Description
Battery Type	Sealed Lead Acid (SLA) - 20 Hour Rate
Voltage	12 Volts
Capacity	12 Amp Hours (AH)
Terminal Type	F2 (Spade Terminals) with Small Blue "GRID" Plug
Construction	Non-Conductive ABS Plastic Case, Valve Regulated, Spill-Proof, Fiberglass Mat
Recommended Use	Replacement battery for Kid Trax vehicles
Dimensions (Approx.)	Length: 5.94 inches, Width: 3.86 inches, Height: 3.98 inches (from center of terminal)
Charging Voltage (Standby)	13.6V - 13.8V
Charging Voltage (Cyclic)	14.5V - 14.9V
Initial Charging Current (Standby)	1.05A
Initial Charging Current (Cyclic)	2.1A



Figure 5: Approximate dimensions of the 12V 12AH SLA Battery.

Warranty and Support

Beiter DC Power stands behind the quality of its products. A limited warranty applies to this battery. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Beiter DC Power store on Amazon.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Beiter DC Power customer service through the Amazon platform or their official website. Provide your product model number and purchase details for faster service.

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