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Beiter DC Power 12V12ah Sealed Lead Acid Battery

Beiter DC Power 12V12ah Sealed Lead Acid Battery Instruction Manual

For Pride Go-Go Elite Traveler, ES S83, Go-Chair, Travel Vehicle, Ultra, and Ultra X Mobility Scooters

1. Introduction

This manual provides essential information for the safe and effective use of Beiter DC Power 12V12ah Sealed Lead Acid (SLA) Batteries. These batteries are designed as replacement power sources for various Pride Go-Go mobility scooters. Please read this manual thoroughly before installation and operation to ensure proper usage and longevity of your batteries.

2. Safety Information

Always prioritize safety when handling batteries. Failure to follow these guidelines may result in personal injury or damage to the product.

- **Ventilation:** Although these batteries are valve-regulated and spill-proof, ensure adequate ventilation during charging to prevent gas accumulation.
- **Handling:** Batteries are heavy. Use proper lifting techniques to avoid injury.
- **Short Circuits:** Do not short-circuit battery terminals. This can cause severe burns, fire, or explosion. Remove jewelry and use insulated tools.
- **Charging:** Use only chargers approved for Sealed Lead Acid (SLA) batteries. Overcharging or undercharging can damage the battery and reduce its lifespan.
- **Disposal:** Do not dispose of batteries in fire. Batteries contain hazardous materials and must be recycled properly. Contact your local recycling center for disposal information.
- **Damage:** Do not use batteries that show signs of damage, swelling, or leakage.



Image: Beiter DC Power 12V12ah Sealed Lead Acid Battery. This image shows the exterior of the battery, highlighting its compact design.

3. Product Overview

The Beiter DC Power 12V12ah Sealed Lead Acid Battery is a robust and reliable power source for mobility devices. Key features include:

- **Battery Type:** 12V12ah - 20 Hour Sealed Lead Acid Battery (SLA), AGM (Absorbent Glass Mat) technology.
- **Construction:** Features a high impact-resistant case made of non-conductive ABS plastic, providing strong resistance to shock, vibration, chemicals, and heat. The valve-regulated, spill-proof design allows for safe operation in any orientation.
- **Maintenance:** These batteries are maintenance-free.
- **Compatibility:** Compatible with various Pride Go-Go mobility scooters, including:
  - Pride Go-Go Elite Traveller (SC40E / SC44E) 3 & 4 Wheel Scooter
  - Go-Go ES (S83) 3 Wheel Scooter
  - Go-Go Go-Chair 4 Wheel Scooter
  - Go-Go Travel Vehicle (SC40 / SC44) 3 & 4 Wheel Scooter
  - Go-Go Ultra (SC40 / SC44) 3 & 4 Wheel Scooter
  - Go-Go Ultra X (SC40X / SC44X) 3 & 4 Wheel Scooter

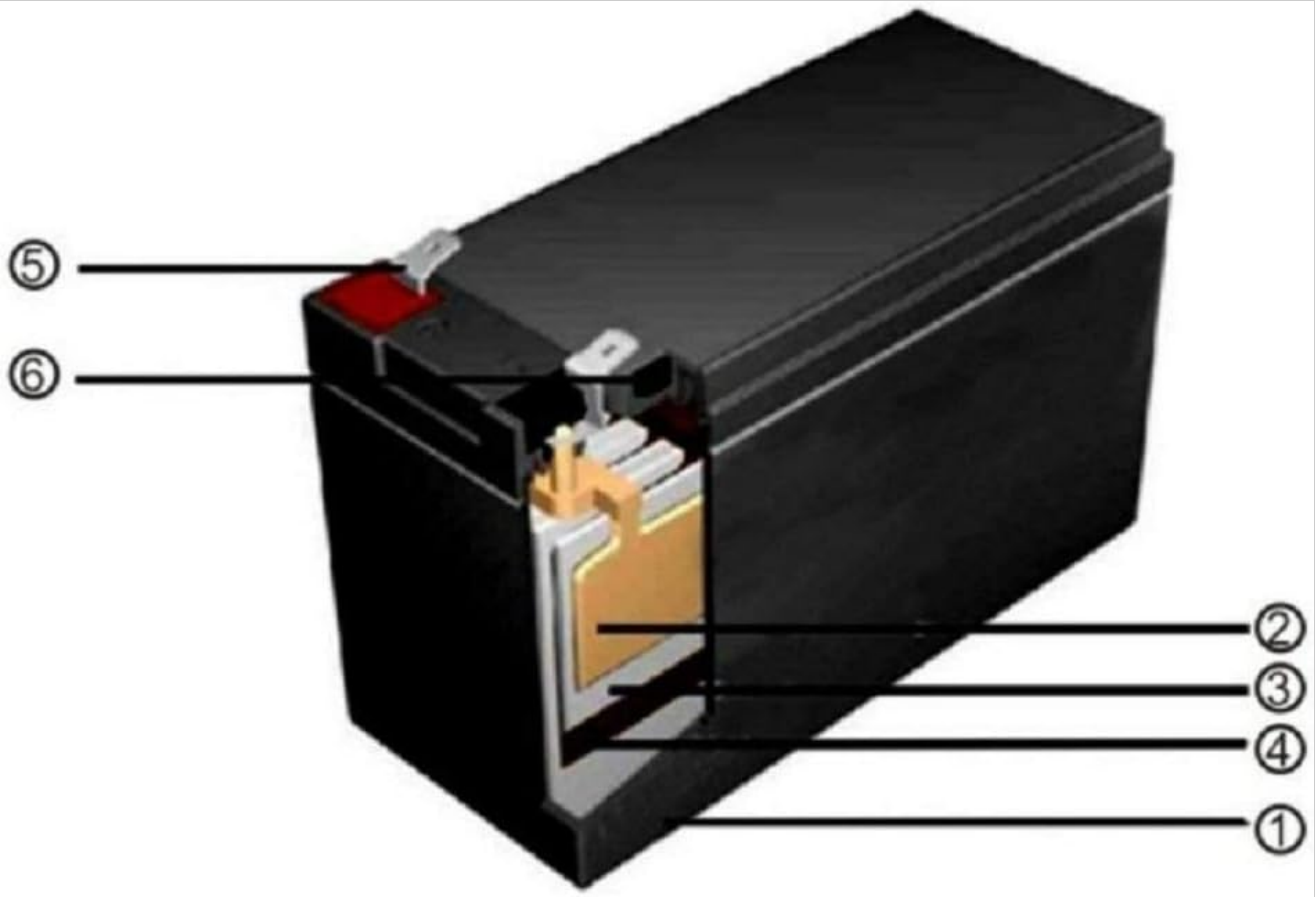


Image: Cutaway view of a sealed lead acid battery. This illustration shows the internal structure, including plates and electrolyte absorbed in the fiberglass mat.

4. Setup and Installation

Installation typically involves replacing existing batteries in your mobility scooter. Always refer to your scooter's specific instruction manual for detailed battery compartment access and wiring diagrams. Two 12V batteries are typically required for most compatible scooters.

1. **Safety First:** Ensure the scooter is turned off and disconnected from any power source.
2. **Access Battery Compartment:** Locate and open the battery compartment on your scooter. This usually involves removing a cover or seat.
3. **Disconnect Old Batteries:** Carefully disconnect the negative (-) terminal first, then the positive (+) terminal from the old batteries. Note the wiring configuration (series or parallel) for correct re-installation.
4. **Remove Old Batteries:** Lift out the old batteries. Be mindful of their weight.
5. **Insert New Batteries:** Place the new Beiter DC Power 12V12ah batteries into the compartment.
6. **Connect New Batteries:** Connect the positive (+) terminal first, then the negative (-) terminal, following the original wiring configuration. Ensure all connections are secure and tight.
7. **Secure Compartment:** Close and secure the battery compartment.
8. **Initial Charge:** It is recommended to fully charge the new batteries before their first use.

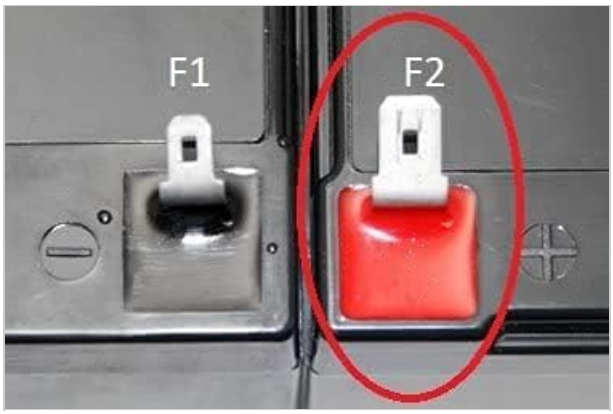


Image: F1 and F2 battery terminals. This image illustrates the common terminal types found on SLA batteries, ensuring correct connection.

5. Operating and Charging

These batteries are designed for reliable performance in mobility scooters. Proper charging is crucial for maximizing battery life.

- **Regular Charging:** Charge your scooter's batteries regularly, ideally after each use, even if only for a short period. Avoid letting the batteries fully discharge.
- **Charger Compatibility:** Always use the charger supplied with your mobility scooter or a compatible charger specifically designed for 12V SLA/AGM batteries.
- **Charging Time:** Charging times vary depending on the discharge level. Refer to your scooter's manual for typical charging durations.
- **Temperature:** Charge batteries in a well-ventilated area at room temperature (20-25°C or 68-77°F) for optimal results.

6. Maintenance

Beiter DC Power 12V12ah batteries are maintenance-free, meaning they do not require water additions. However, some general care practices will help ensure their longevity:

- **Keep Clean:** Periodically inspect battery terminals and connections for corrosion or dirt. Clean with a wire brush and baking soda solution if necessary, then rinse with water and dry thoroughly.
- **Check Connections:** Ensure all cable connections remain tight. Loose connections can cause power loss and heat buildup.
- **Storage:** If storing the scooter or batteries for an extended period, ensure batteries are fully charged before storage. Recharge them every 3-6 months to prevent sulfation and permanent damage. Store in a cool, dry place.
- **Avoid Deep Discharge:** Repeated deep discharges significantly shorten battery life. Recharge as soon as possible after use.

7. Troubleshooting

If you experience issues with your scooter's power, consider the following common battery-related troubleshooting steps:

- **Scooter Not Powering On:** Check battery connections for tightness and corrosion. Ensure batteries are fully charged.
- **Reduced Range/Power:** This often indicates batteries are not holding a full charge. This could be due to age,

improper charging, or a faulty charger.

- **Charger Not Working:** Verify the charger is properly plugged into both the wall outlet and the scooter. Check for any indicator lights on the charger.
- **Battery Swelling/Heat:** If batteries appear swollen or become excessively hot during charging or use, immediately disconnect them and contact customer support. Do not attempt to use them.

For persistent issues, consult your mobility scooter's specific troubleshooting guide or contact a qualified technician.

8. Specifications

Specification	Detail
Battery Type	12V12ah - 20 Hour Sealed Lead Acid (SLA)
Battery Cell Type	Lead-Acid, AGM
Reusability	Rechargeable
Construction	High Impact Resistant ABS Plastic Case, Valve Regulated, Spill-Proof, Fiberglass Mat
Nominal Voltage	12 Volts
Nominal Capacity	12 Ampere-hours (Ah)
Number of Batteries Required	2 (for most compatible scooters)
Approximate Weight (per battery)	16 pounds
Dimensions (L x W x H)	5.94 in x 3.74 in x 3.98 in (from center of terminal)
UPC	757901993916



Image: Dimensions of Beiter DC Power 12V12ah SLA Battery. This diagram provides precise measurements for length, width, and height.

9. Warranty and Support

For warranty information or technical support regarding your Beiter DC Power 12V12ah batteries, please contact Beiter DC Power directly. Keep your purchase receipt as proof of purchase.

Contact Information: Refer to the seller's information on your purchase platform or the official Beiter DC Power website for current contact details.

Image: Beiter DC Power Specialists logo. This is the official logo of the manufacturer.

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