Kinetik HC1200-BLU

Kinetik BLU 1200 Watt 12V Power Cell (HC1200-BLU) Instruction Manual

Model: HC1200-BLU

1. Introduction

This manual provides instructions for the safe and effective use of your Kinetik BLU 1200 Watt 12V Power Cell, Model HC1200-BLU. This advanced Absorbed Glass Mat (AGM) technology power cell is designed to provide reliable power for various 12V applications, including automotive audio systems, motorcycles, ATVs, UTVs, and snowmobiles. Please read this manual thoroughly before installation and operation.

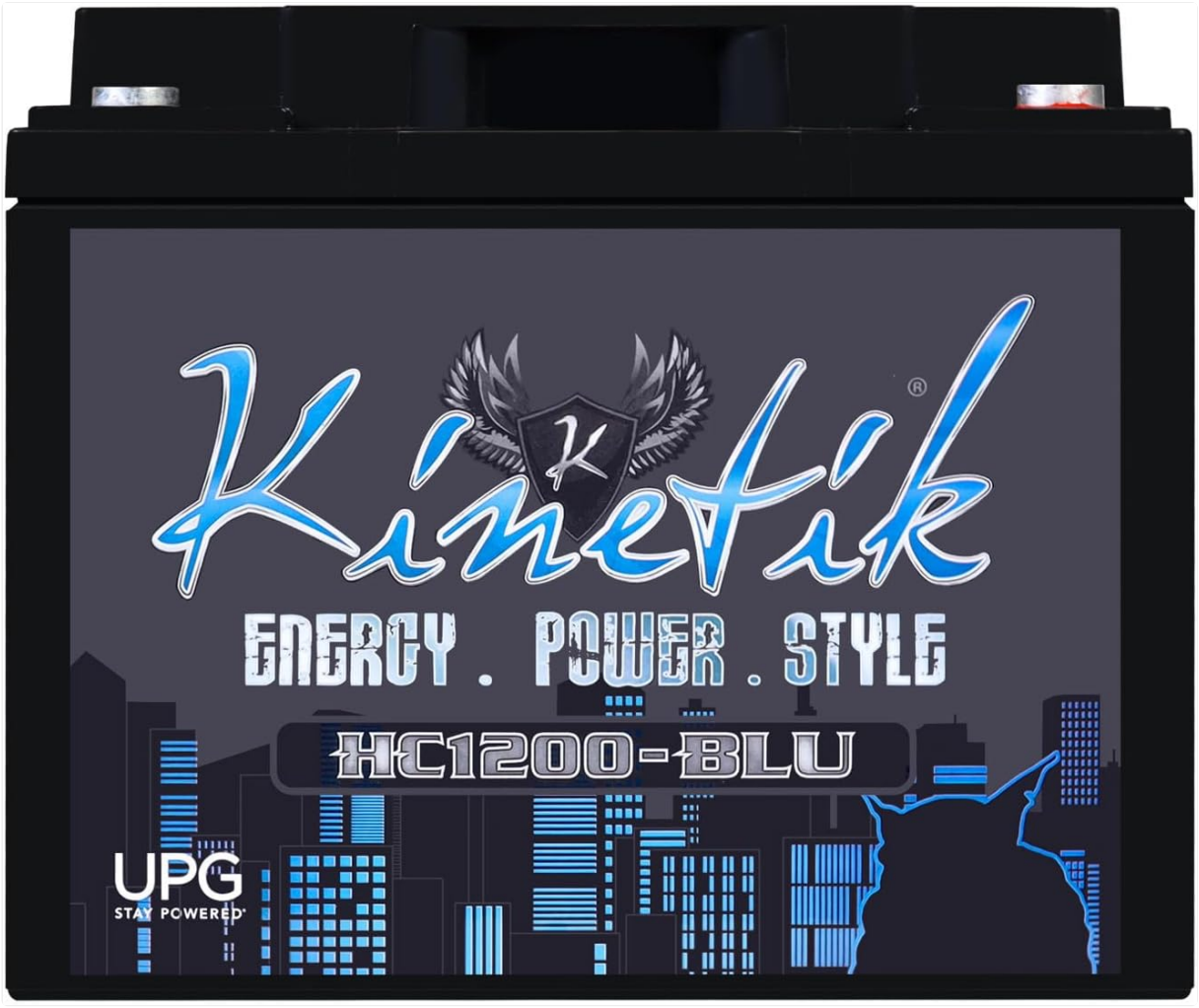

Image 1.1: Front view of the Kinetik BLU 1200 Watt 12V Power Cell, Model HC1200-BLU.

2. Safety Information

Observe all safety warnings and precautions to prevent injury or damage to the power cell and connected equipment.

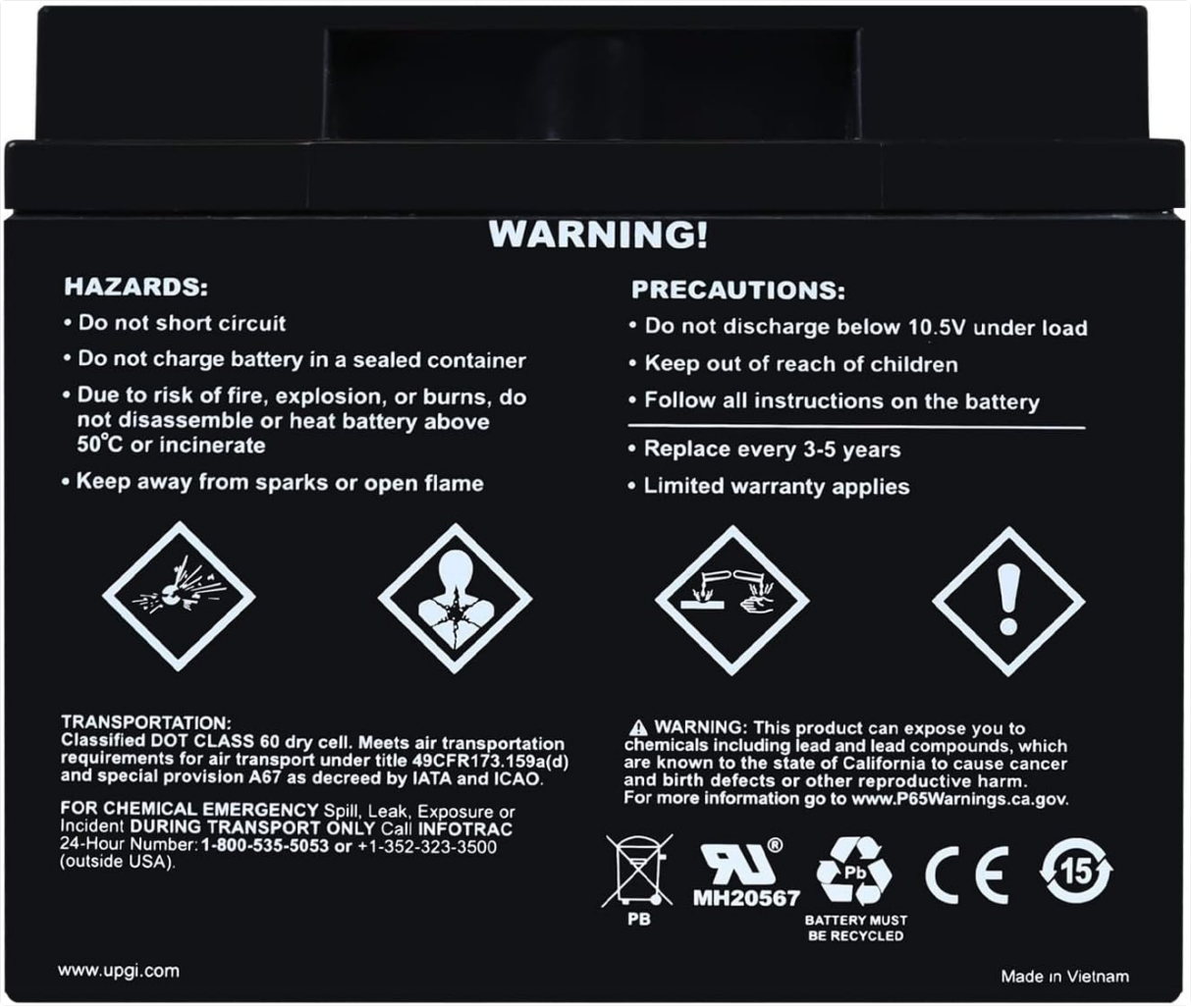

Image 2.1: Warning and precaution labels on the Kinetik BLU 1200 Watt 12V Power Cell.

2.1. Hazards

- **Do not short circuit** the terminals.
- **Do not charge the battery in a sealed or non-ventilated compartment.** Proper ventilation is required.
- Risk of fire, explosion, or burns. **Do not disassemble or heat the battery above 50°C (122°F) or incinerate.**
- **Keep away from sparks or open flame.**

2.2. Precautions

- **Do not discharge below 10.5V under load.**
- **Keep out of reach of children.**
- Follow all instructions provided on the battery label.
- Replace the power cell every 3-5 years for optimal performance and safety.
- A limited warranty applies to this product.

2.3. Charging Requirements

This power cell requires a voltage-limited charger set to the following specifications:

- **Float Charge:** 13.5V - 13.8V
- **Cycle Service:** 14.6V - 14.8V
- **Maximum Temperature:** 25°C (77°F)

2.4. Transportation and Chemical Emergency

- **Transportation:** Classified as a DOT Class 60 dry cell. Meets air transportation requirements under title 49CFR173.159a(d) and special provision A67 as decreed by IATA and ICAO.
- **Chemical Emergency:** For chemical emergency spill, leak, exposure, or incident during transport only, call INFOTRAC 24-Hour Number: 1-800-535-5053 or +1-352-323-3500 (outside USA).

2.5. California Proposition 65 Warning

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

2.6. Recycling

This battery must be recycled. Dispose of responsibly according to local regulations.

3. Package Contents

Verify that all items are present in the package:

- 1 x Kinetik® BLU 1200 Watt 12V Power Cell (Model HC1200-BLU)

4. Specifications

Feature	Specification
Voltage	12 Volt
Max Power Support	1200 Watts
Terminal Type	3/8 inch threaded terminals
Battery Technology	Advanced AGM (Absorbed Glass Mat)
Number of Cells	6
Dimensions (D x W x H)	7.76 inches x 6.52 inches x 6.87 inches
Item Weight	27.9 pounds
Model Number	HC1200-BLU
UPC	806593409233

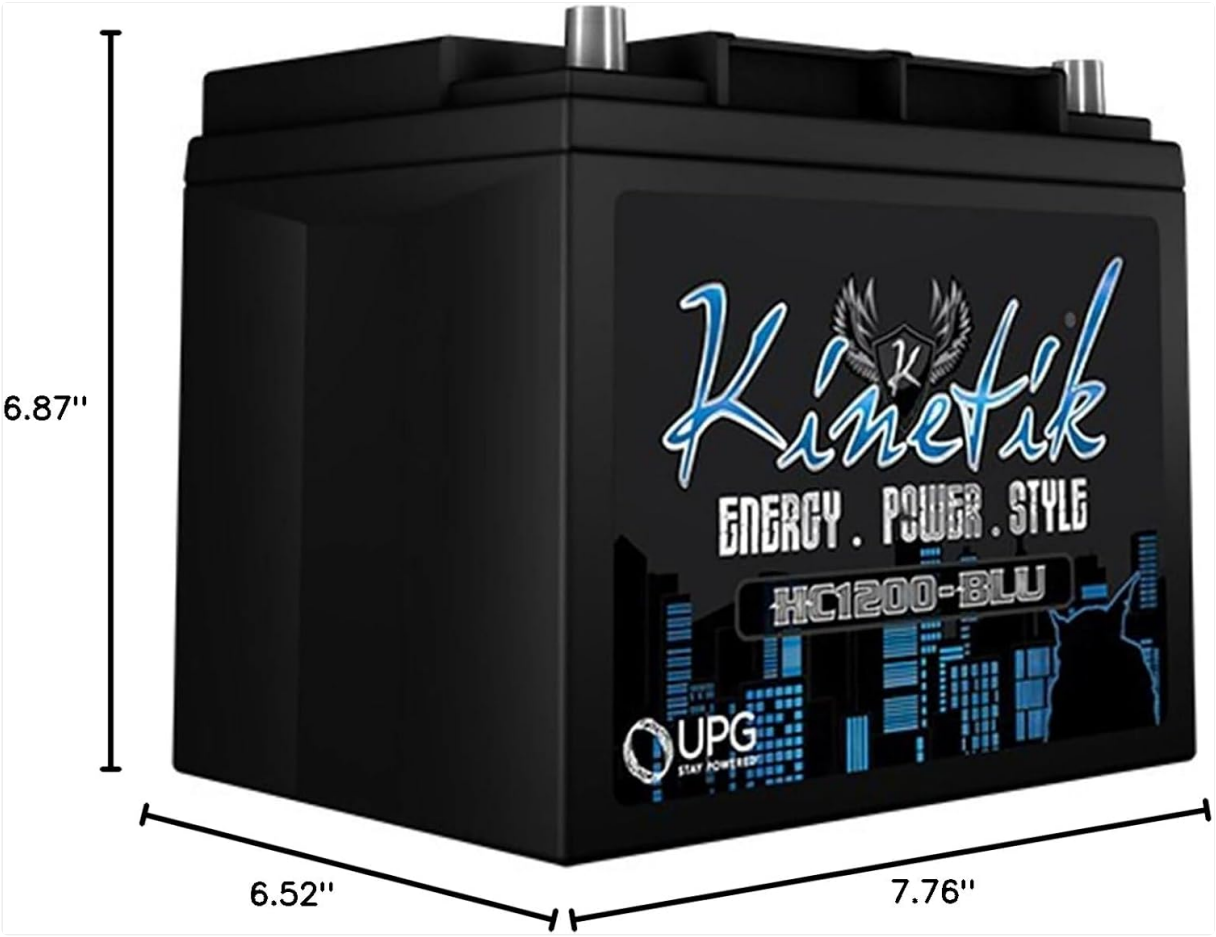

Image 4.1: Depth dimension of the power cell (7.76 inches).

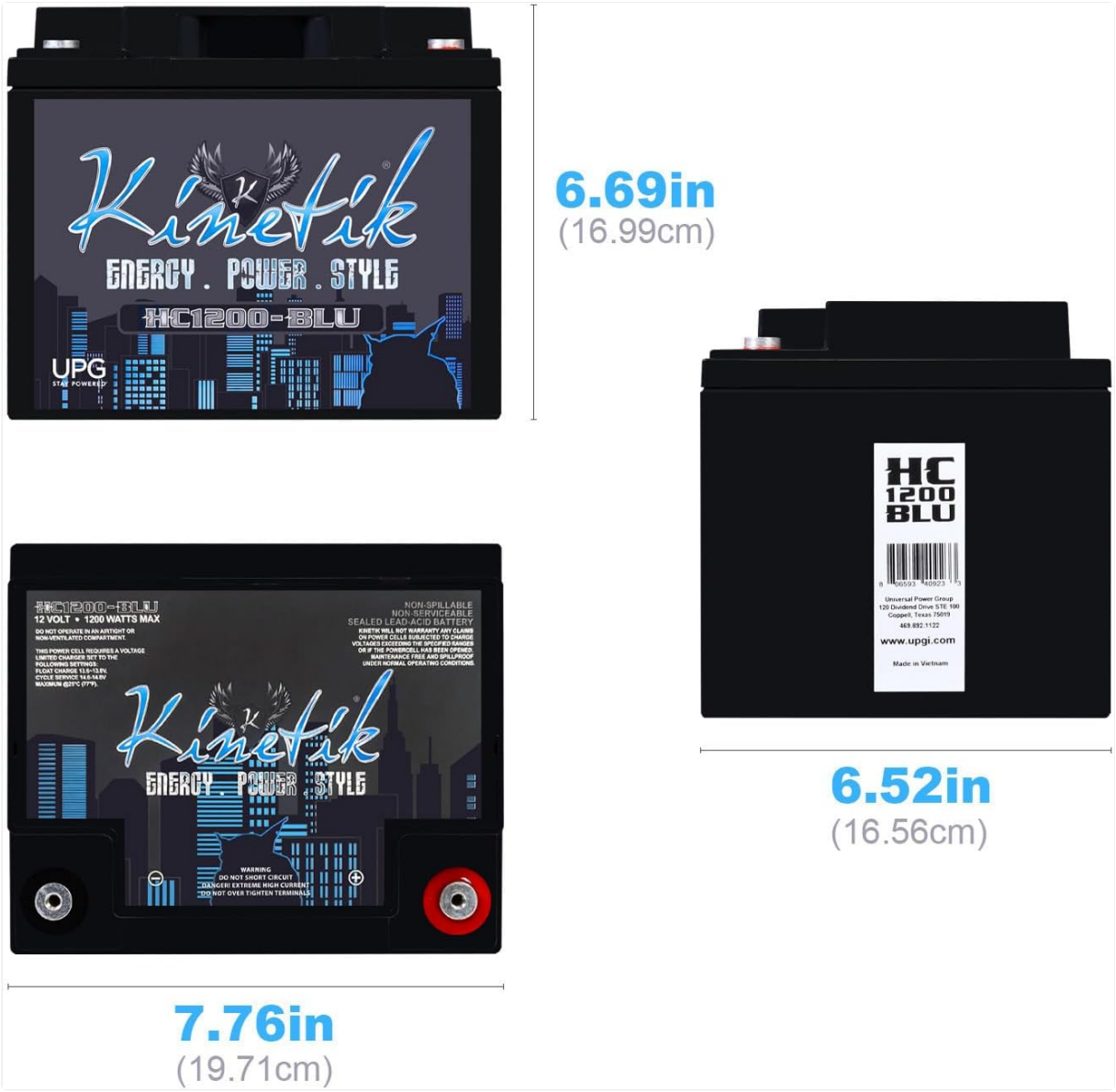

Image 4.2: Width dimension of the power cell (6.52 inches).

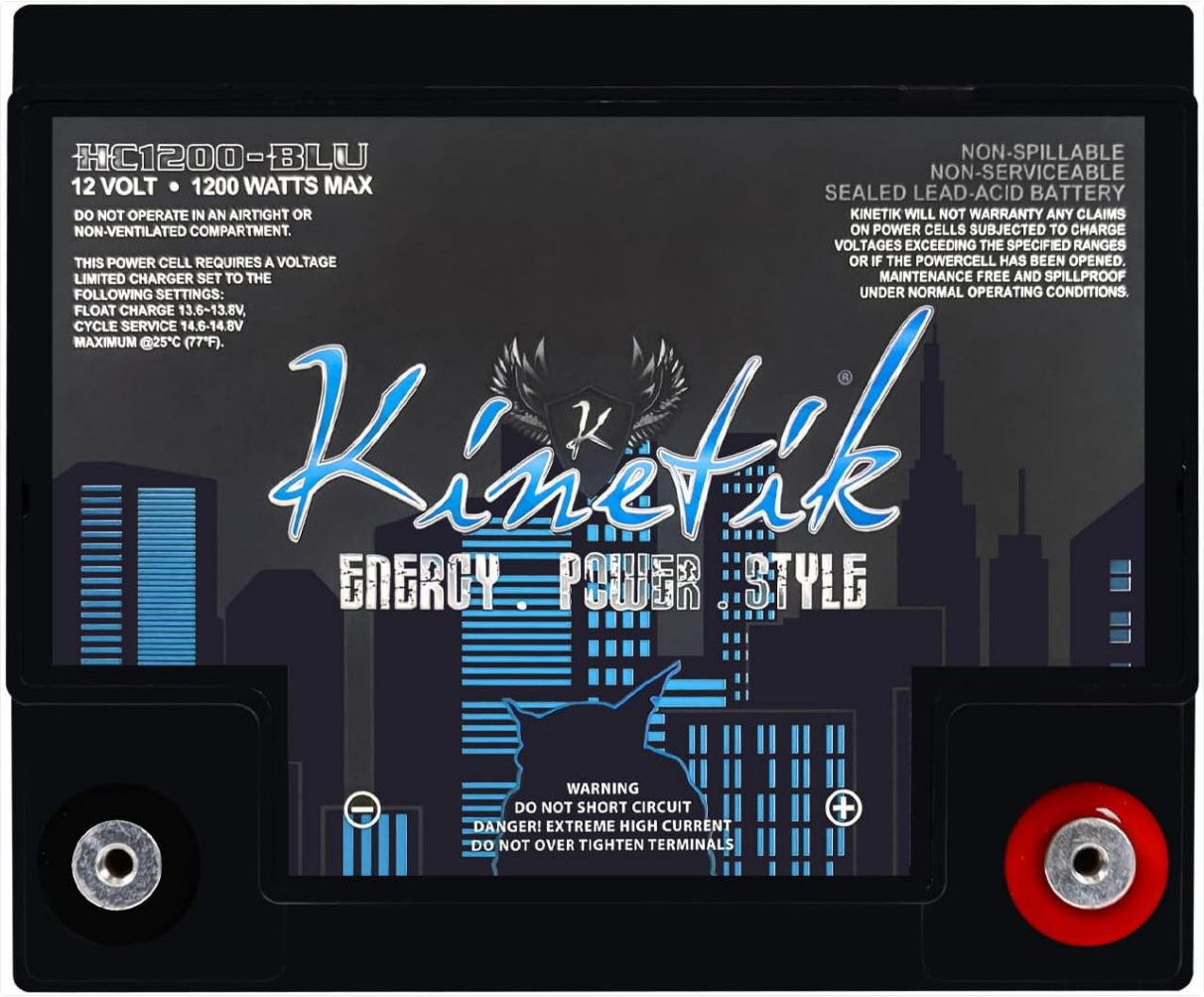

Image 4.3: Height dimension of the power cell (6.87 inches).

5. Setup and Installation

Proper installation is crucial for performance and safety. If you are unsure about any step, consult a qualified professional.

5.1. Placement

- Install the power cell in a well-ventilated area. Avoid sealed or non-ventilated compartments to prevent gas accumulation.
- Ensure the mounting location can support the weight of the power cell (27.9 pounds).

5.2. Connections

- Ensure all connections are secure and clean. Use appropriate gauge wiring for your application to handle the current.
- Connect positive (+) to positive and negative (-) to negative. Incorrect polarity can damage the power cell and connected equipment.
- **Do not overtighten terminals.** Refer to the manufacturer's torque specifications if available, or tighten until snug and secure.

5.3. Mounting

- Secure the power cell to prevent movement during vehicle operation. Use appropriate battery hold-downs or straps.

6. Operating Instructions

Follow these guidelines for optimal performance and longevity of your power cell.

6.1. Initial Charge

- It is recommended to fully charge the power cell before its first use to ensure maximum capacity and lifespan.

6.2. Charging Parameters

Always use a voltage-limited charger that adheres to the following specifications:

- **Float Charge:** 13.5V - 13.8V
- **Cycle Service:** 14.6V - 14.8V
- **Maximum Temperature:** Charging should ideally occur at 25°C (77°F). Avoid charging at extreme temperatures.

6.3. Discharge

- **Do not discharge the power cell below 10.5V under load.**Deep discharge can permanently damage the power cell and significantly reduce its lifespan.

7. Maintenance

Regular maintenance helps ensure the longevity and reliability of your Kinetik power cell.

- **Regular Inspection:** Periodically inspect the power cell for any signs of physical damage, corrosion on terminals, or loose connections.
- **Cleaning:** Keep the terminals and the top surface of the power cell clean and dry. Use a damp cloth to wipe away dirt or dust. Avoid using harsh chemicals.
- **Charging:** Ensure the power cell is kept adequately charged, especially during periods of non-use or storage, to prevent deep discharge.
- **Replacement:** For optimal performance and safety, it is recommended to replace the power cell every 3-5 years, depending on usage and environmental conditions.

8. Troubleshooting

If you encounter issues with your Kinetik power cell, refer to the following common problems and solutions.

8.1. No Power Output

- **Check Terminal Connections:** Ensure all terminal connections are tight and free from corrosion. Loose or corroded connections can prevent power flow.
- **Verify Charge Level:** Confirm the power cell is adequately charged. A deeply discharged battery will not provide power.
- **Inspect Fuses/Circuit Breakers:** Check any connected fuses or circuit breakers in your system for continuity.

8.2. Reduced Performance (e.g., Dimming Lights, Weak Audio)

- **Ensure Proper Charging:** Verify that your charging system (alternator, charger) is providing the correct voltage and current as specified in Section 2.3.

- **Check for Excessive Load:** Ensure the connected equipment does not exceed the power cell's capacity (1200 Watts Max Support).
- **Consider Power Cell Age:** If the power cell is older than 3-5 years, its capacity may have naturally diminished, and replacement may be necessary.

8.3. Overheating

- **Check Ventilation:** Ensure the power cell is not installed in a sealed or non-ventilated compartment. Adequate airflow is essential for cooling.
- **Verify Charging Parameters:** Confirm that charging voltages are within the specified limits (Section 2.3). Overcharging can lead to overheating.
- **Reduce Load:** If operating under extreme conditions or with high loads, consider reducing the load to prevent excessive heat generation.

9. Warranty Information

A limited warranty applies to the Kinetik BLU 1200 Watt 12V Power Cell. For specific warranty terms, conditions, and duration, please refer to the warranty documentation included with your purchase or contact Kinetik customer support. Keep your proof of purchase for warranty claims.

10. Customer Support

For technical assistance, product inquiries, or customer service, please contact your retailer or visit the official Kinetik website for the most up-to-date support information.