

## Kinetik HC2400-BLU28

# Kinetik HC2400-BLU Power Cell User Manual

Model: HC2400-BLU28

## 1. INTRODUCTION

Thank you for choosing the Kinetik HC2400-BLU 2400 Watt Power Cell. This high-current power cell is engineered to provide stable and efficient power for demanding car stereo systems. Designed with advanced AGM (Absorbed Glass Mat) technology, it offers superior energy density, vibration resistance, and a longer lifespan compared to traditional batteries. This manual provides essential information for the safe and effective use of your Kinetik Power Cell.

- **High Current Output:** Delivers 2400 watts of power for robust audio performance.
- **Sealed Non-Spillable Design:** Allows for mounting in various positions without leakage.
- **Vibration and Heat Resistance:** Tightly packed cells enhance durability in automotive environments.
- **AGM Technology:** Ensures better power efficiency and extended life.

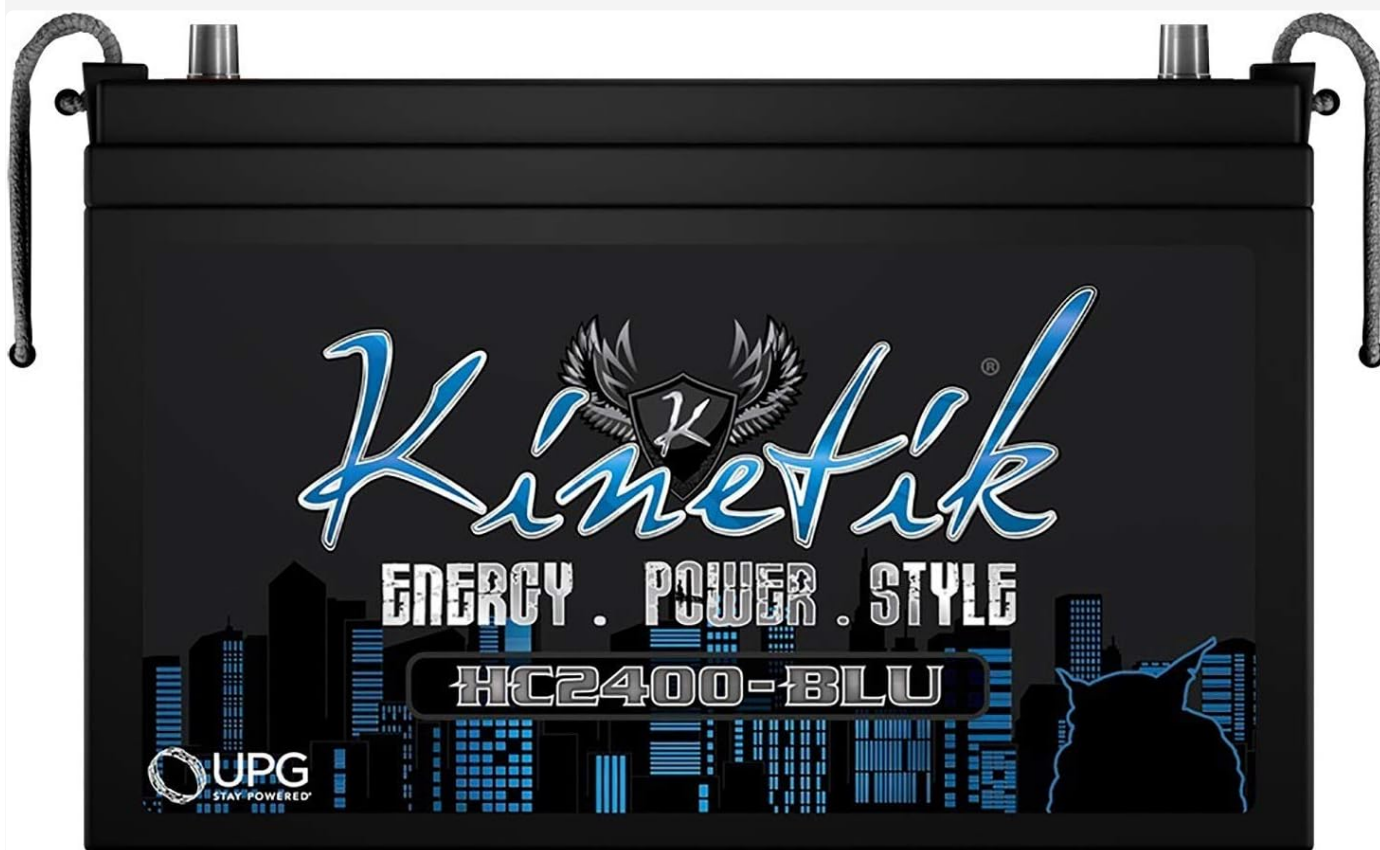


Figure 1.1: Kinetik HC2400-BLU Power Cell, front view, showcasing the Kinetik logo and model number.

## 2. SAFETY INFORMATION

Your Kinetik Power Cell is a powerful electrical device. Please read and understand all safety warnings before installation and operation to prevent injury or damage.

- **Do Not Short Circuit:** Connecting the positive and negative terminals directly will cause a short circuit, leading to severe damage, fire, or explosion.
- **Extreme High Current:** This power cell can deliver very high currents. Exercise extreme caution during handling and connection.
- **Do Not Over Tighten Terminals:** Over-tightening can damage the terminals and internal connections. Refer to recommended torque specifications if available, or tighten until snug.
- **Ventilation:** Although sealed, ensure adequate ventilation in the installation area. Do not operate in a non-ventilated compartment.
- **Eye Protection:** Always wear appropriate eye protection when working with batteries.
- **No Smoking/Sparks:** Keep flames, sparks, and smoking materials away from the battery.
- **Keep Out of Reach of Children:** Batteries contain hazardous materials.
- **Proper Disposal:** Dispose of the battery according to local regulations. Do not incinerate.



Figure 2.1: Top view of the Kinetik HC2400-BLU Power Cell, highlighting important safety warnings and terminal information.

## 3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your Kinetik Power Cell. It is highly recommended that installation be performed by a qualified professional.

1. **Preparation:** Ensure the vehicle's ignition is off and the existing battery's negative terminal is disconnected first to prevent accidental short circuits. Wear safety glasses and gloves.
2. **Mounting Location:** Choose a secure, well-ventilated location that can support the battery's weight (approximately 62.7 pounds). The sealed design allows for mounting in any position, but ensure it is stable and protected from physical damage.
3. **Terminal Cleaning:** Clean the battery terminals and cable connectors thoroughly to ensure good electrical contact.

Use a wire brush if necessary.

4. **Connection:** Connect the positive (+) cable to the positive (+) terminal of the Kinetik Power Cell first. Then, connect the negative (-) cable to the negative (-) terminal. Ensure connections are snug but do not over-tighten.
5. **Securing the Battery:** Use appropriate battery hold-downs or straps to secure the power cell firmly in place. This prevents movement and potential damage from vibration.
6. **System Check:** After installation, double-check all connections. Reconnect the vehicle's main battery (if applicable) and test the car stereo system.



Figure 3.1: Angled view of the Kinetik HC2400-BLU Power Cell, illustrating the positive and negative terminals for connection.

## 4. OPERATING INSTRUCTIONS

The Kinetik HC2400-BLU Power Cell is designed to integrate seamlessly into your car's electrical system, primarily to provide stable and high-current power for your audio components. It functions as a supplemental power source, ensuring your stereo system receives consistent voltage even during peak demands.

- **Voltage Range:** This power cell operates at 12 volts. Ensure your car stereo system and associated components are compatible with a 12V power source.
- **Charging:** The power cell is designed to be charged by your vehicle's charging system (alternator). For optimal performance and longevity, ensure your vehicle's charging system is functioning correctly. The recommended float charge is 13.5-13.8V, and cyclic charge is 14.4-15.0V.
- **Power Delivery:** The HC2400-BLU provides a stable power supply, minimizing voltage drops that can occur with high-power audio amplifiers, leading to clearer sound and improved amplifier efficiency.
- **Temperature:** Operate the power cell within normal automotive temperature ranges. Extreme temperatures can affect performance and lifespan.

## 5. MAINTENANCE

The Kinetik HC2400-BLU Power Cell is a non-serviceable, maintenance-free battery. However, some simple checks can help ensure its optimal performance and longevity.

- **Terminal Inspection:** Periodically inspect the battery terminals and cable connections for corrosion or looseness. Clean any corrosion with a battery terminal brush and baking soda solution, then rinse with water and dry thoroughly. Ensure connections remain snug.
- **Battery Casing:** Keep the battery casing clean and free of dirt or debris. Wipe it down with a damp cloth if necessary.
- **Voltage Monitoring:** If possible, periodically check the battery's voltage with a multimeter. A fully charged 12V AGM battery should read around 12.8V to 13.0V when the vehicle is off.
- **Avoid Deep Discharge:** While AGM batteries are robust, repeatedly allowing the battery to deep discharge can shorten its lifespan. Ensure your vehicle's charging system is adequate to keep the battery charged.
- **Storage:** If storing the power cell for an extended period, ensure it is fully charged and stored in a cool, dry place. Periodic trickle charging may be beneficial for very long storage periods.





Figure 5.1: Angled view of the Kinetik HC2400-BLU Power Cell, showing its compact and durable design suitable for automotive environments.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Kinetik Power Cell.

Problem	Possible Cause	Solution
Car stereo system not powering on or experiencing low power.	Loose or corroded battery terminals/connections.	Check and clean all battery terminals and cable connections. Ensure they are snug.
Battery not holding a charge.	Vehicle's charging system (alternator) malfunction.	Have your vehicle's charging system inspected by a qualified mechanic.
Battery appears swollen or damaged.	Overcharging, physical damage, or internal fault.	Immediately disconnect the battery if safe to do so. Do not attempt to use. Contact Kinetik support or a professional for assessment and replacement.

Problem	Possible Cause	Solution
Reduced audio performance (e.g., dimming lights with bass).	Insufficient power delivery or battery not fully charged.	Ensure the battery is fully charged. Verify all connections are secure. Consider if additional power cells are needed for extremely high-power systems.

If you experience issues not listed here or if the suggested solutions do not resolve the problem, please contact Kinetik customer support or consult a professional automotive electrician.

## 7. SPECIFICATIONS

Detailed technical specifications for the Kinetik HC2400-BLU Power Cell.

Feature	Specification
Model Number	HC2400-BLU28
Power Output	2400 Watt
Nominal Voltage	12V
Battery Capacity	110 Amp Hours
Product Dimensions (L x W x H)	12.91 x 6.77 x 8.58 inches
Item Weight	62.7 pounds
Battery Type	AGM (Absorbed Glass Mat)
Recommended Uses	Power Car Stereo System
Number of Batteries Required	1 (12V battery)
Date First Available	January 1, 2010



Figure 7.1: Side view of the Kinetik HC2400-BLU Power Cell, displaying the model number and barcode.


## 8. WARRANTY AND SUPPORT






For information regarding the warranty of your Kinetik HC2400-BLU Power Cell, please refer to the warranty card included with your purchase or visit the official Kinetik website. Kinetik stands behind the quality of its products and offers support for any manufacturing defects.

If you require technical assistance, have questions about installation, or need to report an issue, please contact Kinetik customer support through their official channels. When contacting support, please have your product model number (HC2400-BLU28) and purchase details ready.

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### Related Documents - HC2400-BLU28

	<p><a href="#">Kinetik EB1214 High-Capacity Electronic Scale User Manual</a></p> <p>User manual for the Kinetik EB1214 High-Capacity Electronic Scale, detailing specifications, operating instructions, troubleshooting, and care advice for accurate and safe use.</p>
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	<p><a href="#">Kinetik BPx1A Fully Automatic Blood Pressure Monitor User Manual</a></p> <p>Comprehensive user manual for the Kinetik BPx1A Fully Automatic Blood Pressure Monitor, covering setup, usage, interpretation of results, troubleshooting, and specifications. Learn how to accurately measure and understand your blood pressure.</p>
	<p><a href="#">Kinetik Allergy Reliever AR 1 Series User Manual   Allergy Relief Device</a></p> <p>Official user manual for the Kinetik Allergy Reliever AR 1 Series. Learn how to use, maintain, and understand the specifications of this dual wavelength phototherapy device for allergy relief.</p>
	<p><a href="#">Kinetik NB-222C Compressor Nebuliser Quick Start Guide</a></p> <p>Comprehensive quick start guide for the Kinetik NB-222C Compressor Nebuliser, covering essential setup, assembly, and usage steps for effective respiratory treatment.</p>
	<p><a href="#">Kinetik WBP1 Blood Pressure Monitor Instruction Manual</a></p> <p>Comprehensive instruction manual for the Kinetik WBP1 Blood Pressure Monitor, covering setup, usage, measurement tips, data management, troubleshooting, and specifications for accurate home health monitoring.</p>
	<p><a href="#">Kinetik Dual Channel TENS Digital Pain Reliever User Manual</a></p> <p>User manual for the Kinetik Dual Channel TENS Digital Pain Reliever (TD1 Series), providing instructions on usage, features, safety warnings, troubleshooting, and specifications for pain relief.</p>