

Interstate Batteries DCM0035

Interstate Batteries 12V 35AH Sealed Lead Acid (SLA) AGM Deep Cycle Battery (DCM0035) Instruction Manual

Model: DCM0035

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Interstate Batteries 12V 35AH Sealed Lead Acid (SLA) AGM Deep Cycle Battery, model DCM0035. This professional-grade, high-quality battery is designed for deep discharge usage in various mobility and power applications. Please read this manual thoroughly before installation and operation.



Figure 1: Interstate Batteries 12V 35AH DCM0035 Deep Cycle Battery.

2. SAFETY INFORMATION

Your safety is paramount. Observe all warnings and precautions to prevent injury or damage to the battery and equipment.

- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
- **Battery Acid:** Sulfuric acid can cause blindness or severe burns. Avoid contact with skin, eyes, or clothing. In case of contact, flush immediately with water and seek medical help.
- **Explosive Gases:** Batteries generate explosive gases. Keep away from sparks, flames, and smoking. Ensure adequate ventilation during charging.
- **Short Circuit:** Do not short the battery terminals.
- **Temperature:** Do not disassemble or heat the battery above 60°C (140°F) or incinerate.
- **Recycling:** Must be recycled or disposed of properly. Return to an Interstate All Battery Center for recycling.

- **Intended Use:** This battery is specifically designed for deep cycle mobility applications. It is **not** a replacement for golf cart batteries or automotive starting batteries.



Figure 2: Back view of DCM0035 battery showing safety warnings and technical details.

3. PRODUCT OVERVIEW AND FEATURES

The Interstate Batteries DCM0035 is a 12V 35AH Sealed Lead Acid (SLA) Absorbent Glass Mat (AGM) deep cycle battery. It is engineered for applications requiring sustained power over extended periods.

Key Features:

- **Deep Cycle Design:** Optimized for repeated deep discharge and recharge cycles, providing longer life for demanding applications.
- **Sealed Lead Acid (SLA) AGM Technology:** Maintenance-free and spill-proof due to Valve Regulated Lead Acid (VRLA) technology, which eliminates spills and overpressure.
- **Rechargeable:** Designed for daily recharging to maintain optimal performance.
- **Robust Construction:** Features a plastic PVC case for greater resistance to damage and deformation, heat-sealed case-to-case cover for protection against seepage and corrosion, and a special lead plate grid design to withstand severe vibration.
- **Versatile Applications:** Suitable for electric wheelchairs, electric scooters, trolling motors, solar power systems, and mowers.



Figure 3: Internal structure of an Interstate Batteries AGM battery, highlighting key components like sealed posts, absorbent glass mat, and robust plate design.



Figure 4: Visual explanation of Absorbent Glass Mat (AGM) battery technology.

4. INSTALLATION AND SETUP

Before installation, ensure the battery is fully charged. Always wear appropriate personal protective equipment, including safety glasses and gloves.

Installation Steps:

1. **Verify Compatibility:** Confirm that the DCM0035 battery is the correct replacement for your device. Refer to your device's manual for specific battery requirements.
2. **Prepare the Area:** Ensure the installation area is clean, dry, and well-ventilated.
3. **Disconnect Old Battery:** Always disconnect the negative (-) terminal first, followed by the positive (+) terminal of the old battery.
4. **Position New Battery:** Carefully place the DCM0035 battery into the battery compartment. Its dimensions are 7.68" (L) x 5.16" (W) x 6.42" (H).
5. **Connect Terminals:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are secure but do not overtighten. The DCM0035 uses insert terminals with bolts.

6. **Secure Battery:** Use any existing straps or brackets to secure the battery firmly in place to prevent movement during operation.



Figure 5: DCM0035 battery with its length, width, and height dimensions clearly indicated.

**FOR USE IN:
wheelchairs,
trolling motors,
solar power,
scooters,
mowers,
and more.**



**NOT FOR:
CARS,
TRUCKS,
OR GOLF CARTS**



12v | **NONSPILLABLE
DEEP CYCLE
SEALED LEAD-ACID AGM**

Figure 6: Examples of suitable applications for the DCM0035 battery, emphasizing it is not for automotive starting.

5. OPERATION

The DCM0035 is a deep cycle battery designed for continuous discharge and recharge cycles. For optimal performance and longevity, adhere to the following operational guidelines:

- **Initial Charge:** Although batteries often arrive partially charged, it is recommended to fully charge the battery before its first use.
- **Daily Recharging:** For applications like electric wheelchairs and scooters, it is recommended to recharge the battery daily, especially after significant use, to maximize its lifespan.
- **Charging Voltage:**
 - Floating Use: 13.6 - 13.8 VDC
 - Cycle Use: 14.6 - 14.8 VDC
- **Avoid Deep Discharge:** While designed for deep cycles, consistently discharging the battery to extremely low levels

can reduce its overall lifespan. Recharge promptly when the device indicates low power.

Relevant Video:

Video 1: An overview of the Interstate Batteries testing lab, demonstrating the rigorous quality control processes that ensure battery performance and reliability.

6. MAINTENANCE AND CARE

The DCM0035 is a maintenance-free battery, meaning it does not require water additions or electrolyte checks. However, proper care ensures its longevity:

- **Keep Clean:** Periodically clean the battery terminals and case to prevent corrosion and ensure good electrical contact. Use a damp cloth and avoid harsh chemicals.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Recharge every 3-6 months to prevent self-discharge. The storage temperature should not exceed 60°C (140°F).
- **Recycling:** When the battery reaches the end of its useful life, it must be recycled. Interstate Batteries recycles more batteries than they sell. Please return your used battery to an Interstate All Battery Center near you.



Figure 7: Interstate Batteries' commitment to environmental responsibility through lead recycling.

7. TROUBLESHOOTING

If you experience issues with your DCM0035 battery, consider the following common troubleshooting steps:

- **Device Not Powering On:** Check all connections to ensure they are clean and secure. Verify the battery is fully charged.
- **Short Run Time:** Ensure the battery is being recharged daily or after each significant use. Verify the charger is functioning correctly and providing the appropriate voltage.
- **Slow Charging:** Check the charger for any faults. Ensure the charging environment is within recommended temperature ranges.
- **Swelling or Damage:** If the battery case appears swollen, cracked, or damaged, discontinue use immediately and replace the battery. This indicates a potential internal fault.

For persistent issues, contact Interstate Batteries customer support.

8. SPECIFICATIONS

Attribute	Specification
Brand	Interstate Batteries
Model Number	DCM0035
Battery Type	Sealed Lead Acid (SLA) Absorbent Glass Mat (AGM) Deep Cycle
Voltage	12V
Capacity	35 Amp Hours (AH)
Product Dimensions (LxWxH)	7.68" x 5.16" x 6.42"
Item Weight	22.9 pounds
Number of Cells	6
Terminal Type	Insert Terminal with bolt
Special Features	Rechargeable, Maintenance-Free, Spill-Proof
Industry Size	Group U1 or GT9L
UPC	656489188090

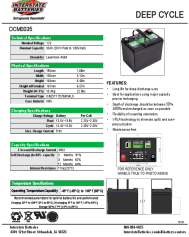




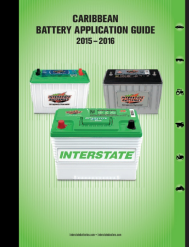
9. WARRANTY AND SUPPORT

Interstate Batteries stands by the quality of its products.

- **Performance Warranty:** The DCM0035 battery comes with a 12-Month Performance Warranty.
- **Contact Support:** For any questions regarding your battery, warranty claims, or technical assistance, please contact Interstate Batteries directly on Amazon or visit their official website.

Relevant Video:

Related Documents - DCM0035

	<p>Interstate Batteries DCM0035 Deep Cycle SLA/AGM Battery: Specifications, Features, and Care Guide</p> <p>Comprehensive details on the Interstate Batteries DCM0035 12V 35Ah Deep Cycle SLA/AGM battery, including technical specifications, charging parameters, capacity, temperature ratings, key features, and essential care instructions for optimal performance and longevity.</p>
	<p>All About DCM SLA Batteries by Interstate Batteries</p> <p>A comprehensive guide to Deep Cycle AGM (SLA) batteries from Interstate Batteries, covering their features, differences from other battery types, charging methods, shelf life, life expectancy, and connection configurations.</p>
	<p>How to Care for Your Sealed Lead Acid Battery Interstate Batteries</p> <p>A comprehensive guide from Interstate Batteries on maintaining and extending the life of sealed lead acid batteries, covering essential steps like charger checks, proper charging, regular maintenance, and battery usage best practices for SLA, AGM, VRLA, and GEL types.</p>
	<p>Interstate Batteries SLA1116 General Purpose Sealed Lead Acid Battery: Specifications, Performance, and Care Guide</p> <p>Explore the detailed technical specifications, physical dimensions, charging parameters, and capacity data for the Interstate Batteries SLA1116 12V 18Ah General Purpose Sealed Lead Acid Battery. This document also provides essential battery care instructions for optimal life and performance, along with a comprehensive list of compatible OEM models.</p>
	<p>Interstate Battery Application Guide 2023: Find Your Perfect Battery</p> <p>Explore the Interstate Battery Application Guide 2023 for comprehensive battery selection. Find the right Interstate battery for automotive, heavy-duty, powersports, and more, covering 2000-2023 model years and vintage vehicles. Includes specifications, maintenance tips, and testing procedures.</p>
	<p>Interstate Batteries Caribbean Battery Application Guide 2015-2016</p> <p>This comprehensive guide from Interstate Batteries helps consumers and professionals select the right automotive battery for various applications. It covers battery types, performance factors, safety procedures, testing methods, and detailed specifications for 2015-2016 models.</p>