Duracell 5001878

Duracell 21/23 12V Alkaline Battery User Manual

Model: 5001878

1. Introduction

This manual provides essential information for the safe and effective use of Duracell 21/23 12 Volt Alkaline Batteries. These batteries are designed to provide reliable, long-lasting power for a variety of specialty devices, including car alarms, key fobs, GPS trackers, garage door openers, and remote controls.



Image: Front view of the Duracell 21/23 12V Battery blister pack, showing two batteries.

2. Key Features

- **Wide Device Compatibility:** Provides reliable power for specialty devices such as car alarms, key fobs, GPS trackers, remote controls, and other electronics.
- **Long-Lasting Power:** Engineered for extended performance in high-powered devices.
- **Guaranteed Storage Life:** Guaranteed to last 5 years in storage, ensuring readiness when needed.
- **Equivalent Types:** Compatible with A23, MN21, 23AF, 23AE, 8LR932, and V23GA battery types.
- **Quality Assurance:** Duracell products are guaranteed against defects in material and workmanship.



Image: Duracell battery with text indicating "Long Lasting Power".



Image: Graphic stating "Guaranteed 5 Years in Storage".

3. Installation and Setup

Duracell 21/23 12V batteries are designed for easy installation in compatible devices. Always refer to your device's instruction manual for specific battery replacement procedures.

3.1. Battery Installation Steps (General)

1. **Identify Battery Compartment:** Locate the battery compartment on your electronic device. This is often secured with screws or a latch.
2. **Open Compartment:** Carefully open the battery compartment. You may need a small screwdriver for this.
3. **Remove Old Batteries:** Remove any old batteries, noting their orientation (positive and negative terminals).
4. **Insert New Batteries:** Insert the new Duracell 21/23 12V battery(ies) according to the polarity indicators (+ and -) inside the compartment. Ensure a secure fit.
5. **Close Compartment:** Close the battery compartment securely.

6. **Test Device:** Test your device to ensure proper functionality.



Image: Examples of devices that use specialty batteries, such as security cameras, smart home devices, flashlights, and smartwatches.

4. Operating Guidelines

Once installed, the Duracell 21/23 12V battery will power your compatible device. No specific operation is required for the battery itself beyond proper installation.

- Ensure the battery is correctly inserted with the correct polarity.
- If the device does not power on, double-check battery orientation and ensure the battery compartment is fully closed.
- Replace batteries when the device's performance diminishes or it ceases to function.

5. Maintenance and Storage

Proper maintenance and storage can extend the life and performance of your Duracell batteries.

- **Storage:** Store unused batteries in their original packaging in a cool, dry place at normal room temperature. Avoid extreme temperatures.
- **Handling:** Do not carry loose batteries in your pocket or purse with metal objects like coins or keys, as this can cause a short circuit.
- **Disposal:** Dispose of used batteries responsibly according to local regulations. Do not dispose of batteries in fire.

6. Troubleshooting

Problem	Possible Cause	Solution
Device not powering on after battery installation.	Incorrect battery orientation; depleted battery; poor contact; device malfunction.	**Check Polarity:** Ensure batteries are inserted with correct positive (+) and negative (-) terminals. **Verify Charge:** Try a new battery to rule out a depleted one. **Clean Contacts:** Gently clean battery contacts in the device and on the battery with a dry cloth. **Consult Device Manual:** Refer to your device's manual for specific troubleshooting steps.
Short battery life.	High power consumption of device; old battery; extreme temperatures.	**Device Usage:** High-drain devices will naturally consume batteries faster. **Storage Conditions:** Ensure batteries are stored in a cool, dry place. **Battery Age:** Replace with fresh batteries if they are nearing their expiration date or have been stored for a long time.

7. Specifications

Attribute	Value
Brand	Duracell
Model Number	5001878
Battery Type	21/23 12 Volt Alkaline
Equivalent Types	A23, MN21, 23AF, 23AE, 8LR932, V23GA
Product Dimensions	0.4 x 3.5 x 3.5 inches
Item Weight	0.7 ounces
Manufacturer	P & G



Image: Back view of the Duracell 21/23 12V Battery blister pack, displaying specifications and warnings. The barcode is 0041333004068.

8. Safety Information

Please read and follow these safety precautions to prevent injury or damage.

- **Keep Out of Reach of Children:** Batteries can be swallowed, especially small ones. Ingesting batteries can cause serious injury or death. Seek immediate medical attention if a battery is swallowed.
- **Proper Polarity:** Always insert batteries correctly according to the positive (+) and negative (-) marks on the battery

and device.

- **Do Not Recharge:** These are non-rechargeable alkaline batteries. Attempting to recharge them may cause leakage, fire, or explosion.
- **Do Not Disassemble:** Do not disassemble, crush, puncture, or modify the battery.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals.
- **Avoid Heat:** Do not expose batteries to excessive heat or fire.
- **Replace All Batteries:** Replace all batteries of a set at the same time. Do not mix old and new batteries or different types of batteries.
- **Remove Depleted Batteries:** Remove depleted batteries promptly from the device to prevent leakage.
- **Clean Contacts:** Clean the battery contacts and also those of the device prior to battery installation.

9. Warranty Information

Duracell guarantees each 21/23 12 Volt alkaline battery to last 5 years in storage. Every Duracell product is guaranteed against defects in material and workmanship. For specific warranty claims or details, please refer to the packaging or contact Duracell customer support.

10. Customer Support

For further assistance or inquiries regarding your Duracell 21/23 12V batteries, please visit the official Duracell website or contact their customer service department. Contact information is typically available on the product packaging or the manufacturer's website.
You can visit the DURACELL Store on Amazon for more product information.

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