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Overview of 23A (A23) Batteries

A 23A (also called A23) battery is a small cylindrical 12V alkaline battery commonly used in devices that require relatively high voltage but have low current draw. These include:

1. **Remote Controls** (e.g., car key fobs, garage door openers)
2. **Wireless Doorbells**
3. **Security Systems** (e.g., some alarm sensors, panic buttons)
4. **Medical Alert Devices**
5. **Laser Pointers** (some models)

They are popular because they offer 12V in a compact form factor. However, their milliamp-hour capacity is limited (often around 50–60 mAh), so they're ideal for intermittent use or low-drain applications that briefly require higher voltage.

Choosing a Suitable Battery Holder

Because 23A batteries are less common than AA or AAA, it's important to ensure you have the correct holder. When selecting a holder, you should consider:

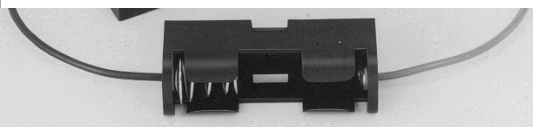
1. **Exact Fit:** 23A cells are shorter and narrower than AA or AAA. The holder must accommodate the length (around 28–30 mm) and diameter (about 10 mm).
2. **Secure Contacts:** 23A batteries have distinct positive and negative contacts. A good holder ensures reliable contact to prevent intermittent power.
3. **Mounting Style:** Consider whether you need a holder with leads for soldering to a PCB, screw mounting, snap-in, or other mounting options.
4. **Quality of Materials:** Spring-steel or phosphor-bronze contacts and durable plastic or nylon bodies help withstand repeated battery changes.



BH23APC



BH23AL



BH23AW

Memory Protection Devices BH23APC Battery Holder

A prime example of a battery holder designed for 23A batteries is the **BH23APC** from **Memory Protection Devices**. Some features of this holder include:

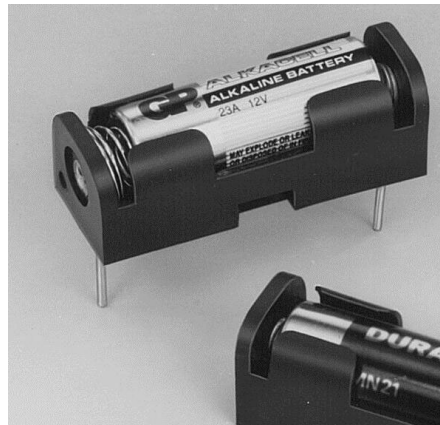
1. **Exact Size for 23A:** Custom made to fit the smaller diameter of 23A cells snugly.
2. **Spring Contacts:** Provides consistent contact pressure at both the positive and negative terminals.
3. **Mounting Tabs / PCB Leads:** Depending on the exact model, it often includes leads or tabs for soldering onto a circuit board or wires.
4. **Durable Construction:** Sturdy plastic housing that helps protect the cell and ensures minimal wear on the internal contacts.

If you are designing or repairing a device that uses 23A batteries—like a doorbell transmitter, small remote, or alarm key fob—the BH23APC holder offers a professional solution for quick battery replacement and secure mounting.

Key Takeaways

- **Where to use 23A batteries:** Best suited for compact devices requiring 12V but minimal current, such as certain remote controls, wireless security sensors, or doorbells.
- **What type of holder is suitable:** Look for holders specifically made for 23A (A23) batteries, ensuring correct size, reliable contacts, and the desired mounting method.
- **Recommended product:** The **Memory Protection Devices BH23APC** is a dependable choice for a compact, secure, and easy-to-install 23A battery holder.

Using a specialized holder not only ensures better reliability but also simplifies battery replacement—important in any application where the user may need to swap batteries quickly and securely.



BH23APC