



Every year in the United States, millions of single use and rechargeable batteries are bought, used and recycled or disposed of in the trash. Batteries come in various chemistries, types and sizes to fit their use. Rechargeable batteries may be removable or permanently attached to the device.

## RECHARGEABLE BATTERIES

TYPE	EXAMPLE	USES AND DESCRIPTION
<b>Nickel Cadmium (Ni-Cd)</b>		<ul style="list-style-type: none"> <li>These batteries are typically used in cordless power tools, cordless phones, digital and video cameras, two-way radios and bio-medical equipment.</li> <li>Ni-Cd batteries may look like single-use AA, AAA or other alkaline batteries or a battery pack shaped for specific tools.</li> </ul>
<b>Lithium-Ion (Li-ion)</b>		<ul style="list-style-type: none"> <li>Commonly found in older cellphones, power tools, digital cameras, laptops, toys, e-cigarettes, appliances, tablets and e-readers.</li> <li>Some Li-ion batteries are not easily removed from the product and can become problematic as a fire hazard if they are broken, bent or crushed.</li> </ul>
<b>Lithium Polymer (LiPo)</b>		<ul style="list-style-type: none"> <li>A rechargeable battery of Li-ion technology using a polymer electrolyte instead of a liquid electrolyte.</li> <li>LiPo batteries provide higher specific energy than other lithium battery types and are used where weight is a critical feature – such as mobile devices.</li> </ul>
<b>Nickel Metal Hydride (Ni-MH)</b>		<ul style="list-style-type: none"> <li>Commonly found in cellphones, cordless power tools, digital cameras and two-way radios.</li> <li>These batteries are not as common as they once were.</li> </ul>
<b>Nickel-Zinc (Ni-Zn)</b>		<ul style="list-style-type: none"> <li>Commonly found in digital cameras, wireless keyboards and small electronics.</li> </ul>
<b>Small-Sealed Lead Acid (Pb)</b>		<ul style="list-style-type: none"> <li>Commonly found in mobility scooters, children's toy cars, emergency lighting and hospital equipment. Also used for backup power in residential landline phones and uninterruptable power supplies for computers.</li> </ul>

## SINGLE-USE BATTERIES

TYPE	EXAMPLE	USES AND DESCRIPTION
<b>Alkaline &amp; Zinc-Carbon</b>		<ul style="list-style-type: none"> <li>These common everyday batteries can be used in products such as alarm clocks, calculators, flashlights, TV remote controls, radios, remote-control products, children's toys and other items.</li> <li>For example, some common alkaline and zinc-carbon batteries include 9 Volt, AA, AAA, C, D and some button cells.</li> </ul>
<b>Button-Cell or Coin</b>		<ul style="list-style-type: none"> <li>These small, round batteries have historically contained silver, cadmium, mercury or other heavy metals as their main component.</li> <li>Today, the majority are made of lithium metal. These batteries are commonly used in products such as watches, hearing aids, car keyless entry remotes, medical devices and calculators.</li> </ul>
<b>Lithium Single-Use</b>		<ul style="list-style-type: none"> <li>These common batteries are made with lithium (Li) metal and are single-use and non-rechargeable.</li> <li>They are used in products such as cameras, watches, remote controls, handheld games and smoke detectors.</li> <li>These batteries may be difficult to distinguish from common alkaline batteries, but may also have specialized shapes for specific equipment, such as some types of cameras and calculators.</li> </ul>