

# List of battery types

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This **list of battery types** is grouped by types of battery.



One of myriad types of battery.

## Types



Primary cells or non-rechargeable batteries	Secondary cells or rechargeable batteries	Batteries by application
<ul style="list-style-type: none"> <li>▪ Alkaline battery (zinc manganese oxide, carbon)</li> <li>▪ Aluminium–air battery</li> <li>▪ Aluminium-ion battery</li> <li>▪ Atomic battery               <ul style="list-style-type: none"> <li>▪ Betavoltaics</li> <li>▪ Optoelectric nuclear battery</li> <li>▪ Nuclear micro-battery</li> </ul> </li> <li>▪ Bunsen cell</li> <li>▪ Chromic acid cell (Poggendorff cell)</li> <li>▪ Clark cell</li> <li>▪ Daniell cell</li> <li>▪ Dry cell</li> <li>▪ Earth battery</li> <li>▪ Frog battery</li> <li>▪ Galvanic cell</li> <li>▪ Grove cell</li> <li>▪ Leclanché cell</li> <li>▪ Lemon/potato battery</li> <li>▪ Lithium battery</li> <li>▪ Lithium air battery</li> <li>▪ Magnesium battery</li> <li>▪ Mercury battery</li> <li>▪ Molten salt battery</li> <li>▪ Nickel oxyhydroxide battery               <ul style="list-style-type: none"> <li>▪ Oxyride battery</li> </ul> </li> <li>▪ Organic radical battery</li> <li>▪ Paper battery</li> <li>▪ Pulvermacher's chain</li> <li>▪ Silver-oxide battery</li> <li>▪ Solid-state battery</li> <li>▪ Voltaic pile               <ul style="list-style-type: none"> <li>▪ Penny battery</li> <li>▪ Trough battery</li> </ul> </li> <li>▪ Water-activated battery</li> <li>▪ Weston cell</li> <li>▪ Zinc–air battery</li> <li>▪ Zinc–carbon battery</li> <li>▪ Zinc chloride battery</li> </ul>	<ul style="list-style-type: none"> <li>▪ Flow battery               <ul style="list-style-type: none"> <li>▪ Vanadium redox battery</li> <li>▪ Zinc–bromine battery</li> <li>▪ Zinc–cerium battery</li> </ul> </li> <li>▪ Lead–acid battery               <ul style="list-style-type: none"> <li>▪ Deep cycle battery</li> <li>▪ VRLA battery</li> <li>▪ AGM battery</li> <li>▪ Gel battery</li> </ul> </li> <li>▪ Lithium air battery</li> <li>▪ Lithium-ion battery               <ul style="list-style-type: none"> <li>▪ Lithium ion lithium cobalt oxide battery (ICR)</li> <li>▪ Lithium ion manganese oxide battery (IMR)</li> <li>▪ Lithium ion polymer battery</li> <li>▪ Lithium iron phosphate battery</li> <li>▪ Lithium–sulfur battery</li> <li>▪ Lithium–titanate battery</li> <li>▪ Thin film lithium-ion battery</li> </ul> </li> <li>▪ Magnesium-ion battery</li> <li>▪ Molten salt battery</li> <li>▪ Nickel–cadmium battery               <ul style="list-style-type: none"> <li>▪ Nickel–cadmium battery vented cell type</li> </ul> </li> <li>▪ Nickel hydrogen battery</li> <li>▪ Nickel–iron battery</li> <li>▪ Nickel metal hydride battery               <ul style="list-style-type: none"> <li>▪ Low self-discharge NiMH battery</li> </ul> </li> <li>▪ Nickel–zinc battery</li> <li>▪ Organic radical battery</li> <li>▪ Polymer-based battery</li> <li>▪ Polysulfide bromide battery</li> <li>▪ Potassium-ion battery</li> </ul>	<ul style="list-style-type: none"> <li>▪ Automotive battery</li> <li>▪ Backup battery</li> <li>▪ Battery (vacuum tube)</li> <li>▪ Battery pack</li> <li>▪ Battery room</li> <li>▪ Biobattery</li> <li>▪ Button cell</li> <li>▪ CMOS battery</li> <li>▪ Common battery</li> <li>▪ Commodity cell</li> <li>▪ Electric vehicle battery</li> <li>▪ Flow battery</li> <li>▪ Inverter battery</li> <li>▪ Lantern battery</li> <li>▪ Nanobatteries               <ul style="list-style-type: none"> <li>▪ Nanowire battery</li> </ul> </li> <li>▪ Local battery</li> <li>▪ Polapulse battery</li> <li>▪ Photoflash battery</li> <li>▪ Reserve battery</li> <li>▪ Smart battery system</li> <li>▪ Watch battery</li> <li>▪ Water-activated battery</li> <li>▪ Wet cell</li> <li>▪ Zamboni pile</li> <li>▪ Zinc–carbon battery (manganese oxide)</li> </ul>

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|  | <ul style="list-style-type: none"><li>▪ Rechargeable alkaline battery</li><li>▪ Rechargeable fuel battery</li><li>▪ Silicon air battery</li><li>▪ Silver-zinc battery</li><li>▪ Silver calcium battery</li><li>▪ Sodium-ion battery</li><li>▪ Sodium–sulfur battery</li><li>▪ Sugar battery</li><li>▪ Super iron battery</li><li>▪ UltraBattery</li></ul> |  |
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## See also

- List of battery sizes
- Battery nomenclature
- Comparison of battery types
- List of energy densities

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Categories: Battery (electricity)

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