



Where are lithium-ion batteries?

Lithium-ion batteries power our lives. Their prevalence in our lives will likely continue to grow as new technologies often require light-weight, portable energy technology.

Lithium-ion batteries are produced in a variety of chemistries and shapes, also known as formats.

Lithium-ion batteries have the capacity to be both small and powerful; in other words, they have a great energy and power density. Lithium-ion batteries are rechargeable, and can be recharged hundreds to thousands of times.

Because of these factors and other advantages, lithium-ion is the most common chemistry used in batteries for portable electronic equipment and devices today.



Applications of lithium-ion batteries include:

- Mobile phones
- Laptops and tablets
- Wearable technology such as wireless headphones and smart watches
- Electric vehicles including automobiles, buses, rail, bicycles, scooters and hoverboards
- Portable and stationary power banks
- Renewable energy storage
- Implanted medical devices
- Cordless power tools
- Drones
- Satellites