

Title: What is the price of supercapacitors

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How much does a supercapacitor cost?

The capex costs of supercapacitors are contrasted with the costs of lithium ion batteries and the costs of flywheels in the chart below. A typical supercapacitor stores about 15 seconds of energy, for a capex cost of \$10,000/kWh, but just \$40/kW of power.

How big is the supercapacitors market?

Image &#169; Mordor Intelligence. Reuse requires attribution under CC BY 4.0. The supercapacitors market is expected to grow from USD 0.54 billion in 2025 to USD 0.62 billion in 2026 and is forecast to reach USD 1.26 billion by 2031 at 15.11% CAGR over 2026-2031.

How much energy does a supercapacitor store?

A typical supercapacitor stores about 15 seconds of energy, for a capex cost of \$10,000/kWh, but just \$40/kW of power. This is down to very high power density (10-25 kW/kg, 10-25x higher than a lithium ion battery), albeit quite low energy density (2-10 Wh/kg, which is 95-99% below a lithium ion battery).

How does the supercapacitor market impact consumers' business?

The impact on consumers' business in the supercapacitor market arises from evolving energy demands and industry transitions. Automotive, renewable energy, consumer electronics, and industrial sectors are the primary users of supercapacitors, with high-power storage and efficiency as key focus areas.

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The global supercapacitor market is projected to grow from USD 1.35 billion in 2025 to USD 2.84 billion by 2030, at a CAGR of 16.1%. Growth is driven by adoption of automotive, consumer electronics, ...

While prices have dropped 40% since 2018, a typical 3,000F supercapacitor module still costs \$150-\$300 - significantly higher than traditional batteries in upfront terms.

Supercapacitors are made in different styles, such as flat with a single pair of electrodes, wound in a cylindrical case, or stacked in a rectangular case. Because they cover a broad range of capacitance ...

Boost your electronics with top-notch Supercapacitors like Maxwell 16V 500F and Eaton XLR-16R2507-R. Shop now on eBay for uninterrupted performance!

# What is the price of supercapacitors

Source: <https://lesfablesdalexandra.fr/Mon-17-Apr-2023-23691.html>

Explore the technical aspects influencing supercapacitor price, including structure, materials, and performance metrics. Learn about key specifications and real-world applications in energy storage, ...

Mouser offers inventory, pricing, & datasheets for Supercapacitors.

Check each product page for other buying options. Price and other details may vary based on product size and color. Need help?

Website: <https://lesfablesdalexandra.fr>

