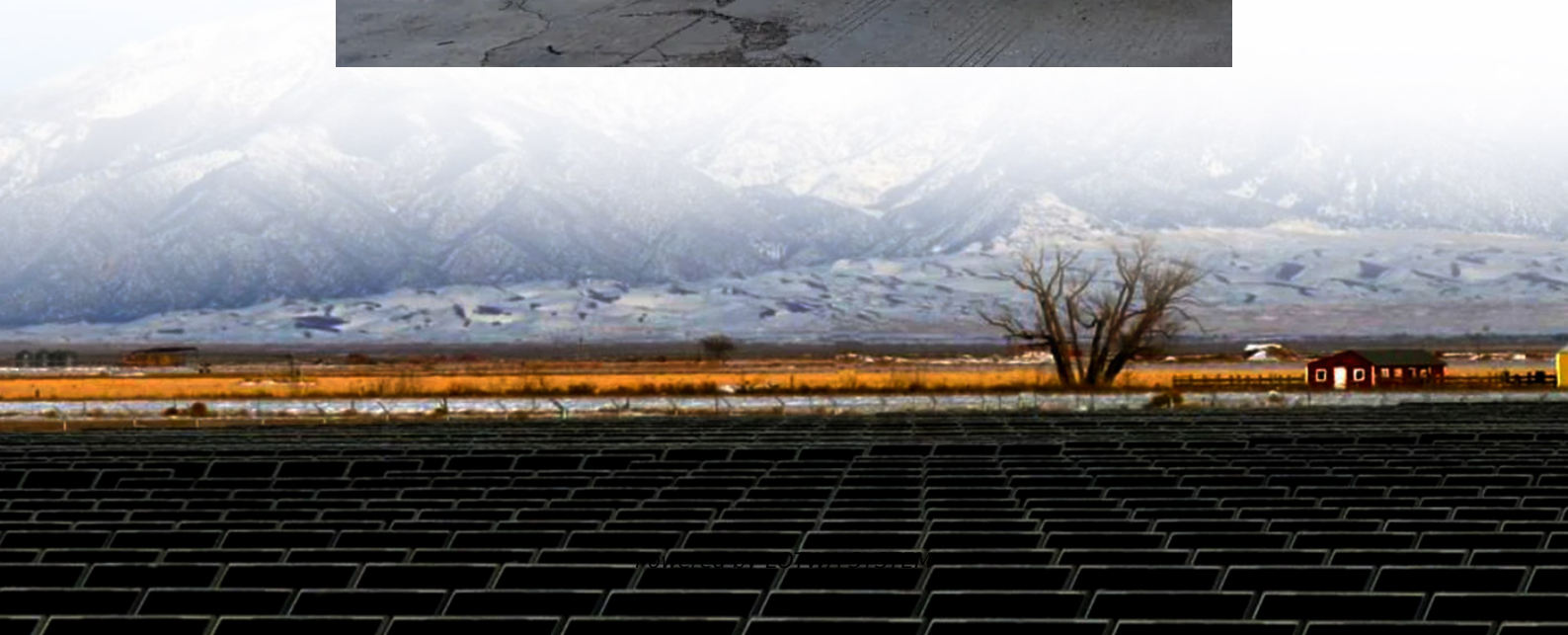


# Supercapacitor capacity and price





## Overview

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What is the global supercapacitors market size?

The market sizing and forecasts are revenue-based (USD Million/Billion), with 2024 as the base year. The global supercapacitors market size was estimated at USD 2.94 billion in 2024 and is predicted to increase from USD 3.45 billion in 2025 to approximately USD 14.74 billion by 2034, expanding at a CAGR of 17.50% from 2025 to 2034.

How much is the supercapacitors market worth in 2025?

The supercapacitors market is valued at USD 0.54 billion in 2025 and is projected to double to USD 1.09 billion by 2030.

What is the market share of supercapacitors in 2024?

By configuration, Electric Double-Layer Capacitors led with 55.2% of the supercapacitors market share in 2024, while Hybrid Supercapacitors are projected to expand at an 18.1% CAGR through 2030. By form factor, modules commanded 57.8% share of the supercapacitors market in 2024, and packs are forecast to grow at 17.4% CAGR to 2030.

How much does a supercapacitor cost?

The costs vary significantly across different supercapacitor components. While activated carbon is a relatively inexpensive electrode material (\$5–20/kg) , advanced alternatives like carbon nanotubes (\$100–500/kg), graphene (\$100–1000/kg), and metal oxides (\$50–200/kg) offer improved performance but at a higher cost.



## Supercapacitor capacity and price

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### Supercapacitor Market Size, Share, Trends and Growth ...

The global Supercapacitor Market Size in terms of revenue is estimated to be worth \$1.35 billion in 2025 and is poised to reach \$2.84 billion by 2030, growing at a CAGR of 16.1% during the ...

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### Supercapacitor Market Size, Growth & Industry Trends , 2025 ...

Jul 7, 2025 · Supercapacitors Market Size & Share Analysis - Growth Trends & Forecasts (2025 - 2030) The Supercapacitors Market Report is Segmented by Configuration (Type) (Electric ...

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### Super-capacitors and Ultra-capacitors Market

Aug 25, 2025 · Supercapacitor costs remain stubbornly high at \$2,500-\$7,000 per kWh, while lithium-ion systems for short-duration storage now cost \$350-\$500 per kWh. This price ...

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### Supercapacitors: Overcoming current limitations and ...

Jan 25, 2025 · So, their extended cycling capacity enables supercapacitor-supported functions for 10-15 years with over 90 % initial capacity retention [80]. Such efficient long-term energy ...

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### Supercapacitor Cost per kWh: Breaking Down the Economics ...

While lithium-ion batteries dominate headlines, supercapacitor cost per kWh has emerged as a critical metric for industries demanding rapid charge-discharge cycles and extreme durability. ...

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### Supercapacitors Market Size to Hit USD 14.74 Billion by 2034

Nov 28, 2025 · What is the Supercapacitors Market Size? The global supercapacitors market size is estimated at USD 3.45 billion in 2025 and is predicted to increase from USD 4.06 billion in ...

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### Supercapacitors: the economics?

Jul 9, 2025 · This data-file captures supercapacitor economics, based on 20 examples and case studies, ranging from small battery-sized cells with ...

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### Supercapacitors Market Size to Hit USD 14.74 Billion by 2034

Supercapacitors Market in The Asia Pacific 2024 to 2034Market OverviewMarket DynamicsKey Companies & Market Share InsightsThe Asia Pacific supercapacitors market size was estimated at USD 1.05 billion in 2023 and is anticipated to reach USD 6.28 billion by 2034, growing at a CAGR of 17.65% from 2024 to 2034. Asia Pacific with technological advancements and growing consumer electronics sector, is observed to expand at a notable rate. Th...See more on precedenceresearch MarketsandMarketsSupercapacitor Market Size, Share, Trends and Growth ...The global Supercapacitor Market Size in terms of revenue is estimated to be worth \$1.35 billion in 2025 and is poised to reach \$2.84 billion by 2030, growing at a CAGR of 16.1% during the ...

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### Supercapacitors Market 2025

MARKET INSIGHTS The global Supercapacitors Market was valued at 3865 million in 2024 and is



projected to reach US\$ 11900 million by 2032, at a CAGR of 17.9% during the forecast ...

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#### Supercapacitor Price

The price of a supercapacitor depends on several factors including type, capacitance (farads), voltage rating, materials used, and application-specific design. Below is a detailed breakdown ...

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#### Supercapacitor Market Size, Growth & Industry Trends

Jul 7, 2025 · Supercapacitors Market Size & Share Analysis - Growth Trends & Forecasts (2025 - 2030) The Supercapacitors Market Report is Segmented by Configuration (Type) (Electric ...

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#### Supercapacitor Market Analysis 2025, Market Size, Share, ...

Supercapacitors provide rapid charging and discharging capabilities, rendering them suitable for managing energy supply variations in renewable grids. Their capacity to store and release ...

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#### Supercapacitors: the economics?

Jul 9, 2025 · This data-file captures supercapacitor economics, based on 20 examples and case studies, ranging from small battery-sized cells with

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