

# **Southeast Asia high temperature supercapacitor price**





## Overview

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What makes a super-capacitor so expensive?

Super-capacitors require high-purity activated carbon (70-80% of electrode material costs) and graphene, with China controlling 65% of global graphite production. The 2022 export controls on synthetic graphite by China – responsible for 45% of battery-grade material – caused price spikes of 22% for super-capacitor manufacturers.

What is the global market for supercapacitors in renewable integration?

The global market for supercapacitors in renewable integration is projected to grow at 28.6% CAGR through 2027, driven by 127GW of new solar and wind installations requiring advanced storage solutions annually. Industrial automation systems utilize supercapacitors for emergency power and peak load management.

Which sectors use supercapacitor technology?

The transportation sector dominates supercapacitor adoption, particularly in electric vehicles (EVs) and public transit systems. Chinese electric bus fleets utilize supercapacitors for rapid energy recuperation during regenerative braking, with over 30,000 supercapacitor-equipped buses operational in Shanghai and Beijing as of 2023.

Where do super-capacitors come from?

Raw material sourcing remains a primary bottleneck. Super-capacitors require high-purity activated carbon (70-80% of electrode material costs) and graphene, with China controlling 65% of global graphite production.



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### Supercapacitor Price

Types of Supercapacitors and Their Prices  
Supercapacitors, also known as ultracapacitors or electric double-layer capacitors (EDLCs), are advanced energy storage devices that bridge the ...

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[Asia-Pacific Supercapacitors Market: Focus on ...](#)

Abstracts The Asia-Pacific supercapacitors market is projected to reach \$10,543.5 million by 2035 from \$1,820.5 million in 2024, growing at a CAGR of 16.71% during the ...

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### Asia Pacific Super Capacitors Industry Report 2025 , Market ...

Asia Pacific supercapacitors market size is USD 121.1 million in 2024 and will grow at a compound annual growth rate (CAGR) of 16.2% from 2024 to 2031. Rapid urbanization, ...

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[High Temperature Supercapacitor 3.6V 0.22f SMD Farad ...](#)

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#### A-Pac Supercapacitors/Ultracapacitors Market Report I BIS ...

The Asia-Pacific supercapacitors/ultracapacitors market will reach \$12,968.6 million by 2033 from \$1,946.6 million in 2023, growing at a CAGR of 20.88% during 2023

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[Asia-Pacific Supercapacitor Market Analysis by Growth,...](#)

Asia-Pacific Supercapacitor Market by Product Type, Material, and End-user (Automotive, Industrial, Energy, and Aerospace & Defense), By Country, Competition, Forecast and ...

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[Super-capacitors and Ultra-capacitors Market](#)



Super-capacitors require high-purity activated carbon (70-80% of electrode material costs) and graphene, with China controlling 65% of global graphite production. The ...

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[Asia Pacific Supercapacitor Market \(2025-2031\)](#)

Asia Pacific Supercapacitor Market is expected to grow during 2025-2031

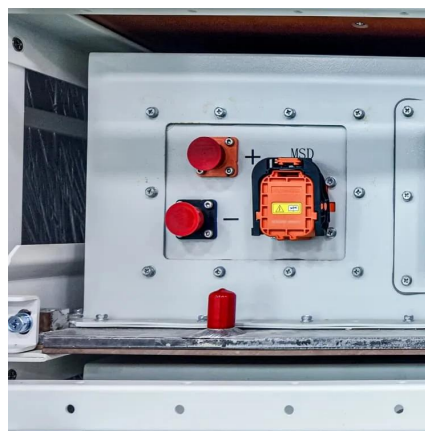
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[Asia Pacific Supercapacitor Market Outlook to 2030](#)

Gain insights into the Asia Pacific Supercapacitor Market size at USD 1.5 billion in 2023, featuring Market Size, Market Share & Growth, and Market Forecasts & Outlook.

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