

# Norwegian supercapacitor manufacturer





## Overview

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nanoCaps® has developed Supercapacitors based on interconnected crosslinked carbon nanotubes on flexible foil providing World Record specific capacitance of  $\sim 2,5 \text{ F/cm}^2$  and equivalent series resistance down towards  $200 \text{ m}\Omega \cdot \text{cm}^2$  at 1kHz. What if all manufacturers of supercapacitors use nanocaps electrodes?

If all manufacturers of supercapacitors use nanoCaps electrodes; world production of energy storage increases 3 times with the same machinery and people. Reduced aluminium results in 500.000 tons CO2 equivalents per year. Replace 5% of batteries gives 9,5 million tons CO2 equivalents per year.

What is the global supercapacitor market?

Supercapacitors, also known as ultracapacitors, are becoming a critical component in modern energy storage solutions. According to Statistics MRC, the Global Supercapacitor Market is accounted for \$5.08 billion in 2024 and is expected to reach \$11.16 billion by 2030 growing at a CAGR of 14.0% during the forecast period.

What are supercapacitors & ultracapacitor?

Supercapacitors or ultracapacitors offer unique advantages like ultrafast charging, reliable operation spanning millions of duty cycles alongside wide operating temperatures and collaborative integration with batteries or fuel cells for energy storage applications.

What are nanocaps supercapacitors based on?

nanoCaps has developed Supercapacitors based on interconnected crosslinked carbon nanotubes on flexible foil providing World Record specific capacitance of  $\sim 2,5 \text{ F/cm}^2$  and equivalent series resistance  $\text{ESR} < 100 \text{ m}\Omega \cdot \text{cm}^2$  at 1kHz.



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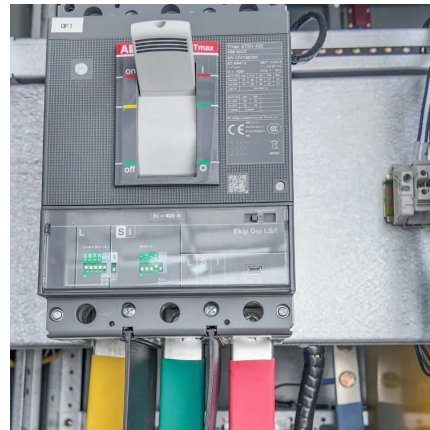


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