

Estonian supercapacitor module manufacturer





Overview

Where is the largest supercapacitor factory in the world?

In 2024, the company will open the largest supercapacitor factory in the world in Markranstädt, Germany. The technology known as SuperBattery combines the advantages of batteries and supercapacitors. SuperBattery was created in order to meet the demands of many industries.

Where are the three Estonian scientists now?

Next year, Skeleton will open the largest supercapacitor factory in Europe, producing twelve million cells a year. As the new generation of engineers is taking over, the three Estonian scientists are remaining in their small town in Tartu where it all started. Marian Männi is an Estonian investigative journalist.

Why are supercapacitors important?

Supercapacitors are essential for producing and storing green energy. The curved graphene invented by Leis, Arulepp and Perkson made the existing supercapacitors much more efficient. They could keep and provide bursts of energy better than other commercial carbons, withstanding over one million charge cycles.

What are supercapacitors & Super batteries?

Supercapacitors in industry standard D60 and D33 form factors, offering reliable high power, low ESR (1S 0.2-1.6mΩ) with 20+ years of lifetime. SuperBatteries fills the gap between supercapacitors and Li-ion batteries, offering the ideal combination of energy, power, and safety.



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Estonia's Skeleton Technologies launches SuperBattery, ...

Oct 14, 2022 · Skeleton Technologies Group has four main locations - manufacturing in Großröhrsdorf, sales in Berlin, materials development in Bitterfeld-Wolfen, and electrical ...

Skeleton Technologies

Skeleton Technologies, founded in Estonia in 2009, specializes in advanced energy storage solutions using Curved Graphene. Offering supercapacitors and SuperBattery technology, ...

Estonian company opens nearly quarter-billion-euro supercapacitor

Nov 28, 2025 · The Estonian company Skeleton has opened a EUR220 million supercapacitor factory in Leipzig to support artificial intelligence data centers and stabilize Europe's power grids.

Estonia Tartu Supercapacitor Manufacturers Ranking Leaders ...

Discover the top supercapacitor manufacturers in Tartu, Estonia - a hub for cutting-edge energy storage solutions. This guide ranks companies based on R&D capabilities, market adaptability, ...

How the Estonian researchers invented the best supercapacitor

Dec 20, 2022 · Decades of work and collaboration led to a green energy storage solution - Estonian researchers Jaan Leis, Mati Arulepp and Anti Perkson found a way to use curved ...

Supercapacitor Manufacturers

The leading Supercapacitor Manufacturers in Estonia are listed in this directory. You can narrow down the list of manufacturers based on their location and capabilities, browse their product ...

Estonia's Skeleton Tech opens EUR220 million supercapacitor

Nov 29, 2025 · Skeleton Technologies has opened a EUR220 million supercapacitor plant in Leipzig, Germany, expanding production for Europe's grid and fast-growing U.S. AI data centers.

Estonian Skeleton Technologies powers up with EUR51M ...

Estonian ultracapacitor and SuperBattery manufacturer Skeleton Technologies is set to receive EUR51m from the German government and the state of Saxony to build a second production unit ...

Skeleton Supercapacitors , InnoEnergy

Skeleton Technologies is a global leader in high-power, fast-charging energy storage for AI data centres, grid stability, mobility, and industry. Our mission is to help companies cut CO2 ...

Estonia's Skeleton Technologies launches ...

Oct 14, 2022 · Skeleton Technologies Group has four main locations - manufacturing in Großröhrsdorf, sales in Berlin, materials development in ...



High power energy storage solutions , Skeleton

Dec 7, 2025 · Skeleton Technologies is the world's leading manufacturer of graphene-based supercapacitors. Rebuilding industry for a net-zero future.

How the Estonian researchers invented the best ...

Dec 20, 2022 · Decades of work and collaboration led to a green energy storage solution - Estonian researchers Jaan Leis, Mati Arulepp and Anti Perkson found a way to use curved ...

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