

# **Southern European high temperature supercapacitor manufacturer**





## Overview

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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.

Who are the top ranked supercapacitor manufacturers?

Also, please take a look at the list of 19 supercapacitor manufacturers and their company rankings. Here are the top-ranked supercapacitor companies as of October, 2025: 1.SPEL TECHNOLOGIES PRIVATE LIMITED, 2.Taiwan Zhifengwei Technology Co., Ltd., 3.CDE. What Is a Supercapacitor?

What Is a Supercapacitor?

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What is the operating temperature of a supercapacitor?

Operating temperature range from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  and a voltage tolerance range from 3.6V to 6.3V. These supercapacitors boast an energy density that is 8 to 10 times higher than that of EDLC (Electrochemical Double Layer Capacitors). They can withstand voltages of up to 4.2V.

What is the largest supercapacitor factory in Europe?

Our ISO 9001- and 14001-certified Dresden Superfactory in Germany is the largest supercapacitor factory in Europe. Our upcoming production facility for graphene-based supercapacitors, the Leipzig Superfactory, will be the largest and most modern supercapacitor factory globally.



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The company specializes in advanced energy storage and thermal management technologies, including high-performance supercapacitors and cutting-edge battery materials, ...

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The company specializes in advanced energy storage and thermal management technologies, including high-performance supercapacitors and cutting-edge battery materials, driving innovation in ...

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Supercapacitors: High Power Density from alfatec If you're looking for reliable energy storage solutions with exceptionally high power density and long service life, alfatec offers the right ...

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### [Top 10 Supercapacitor Manufacturers in the ...](#)

Supercapacitors or ultracapacitors offer unique advantages like ultrafast charging, reliable operation spanning millions of duty cycles alongside wide operating temperatures and



collaborative integration with ...

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### Supercapacitor

Find your supercapacitor easily amongst the 10 products from the leading brands (DOWEI, Eaton, Nippon Chemi-con, ) on DirectIndustry, the industry specialist for your professional purchases.

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## [Top 7 Supercapacitor & Ultracapacitors Manufacturers](#)

Explore the top 7 supercapacitor manufacturers that are leading the way in energy storage innovation. Discover industry leaders, cutting-edge technologies, and their global impact.

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## [19 Supercapacitor Manufacturers in 2025](#)

As a pioneer in manufacturing supercapacitors, its products range from coin, winding, and combined-type supercapacitors to module and high-temperature supercaps and hybrid ...

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