
Boston high temperature supercapacitor manufacturer

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?

What is the operating temperature of a supercapacitor?

Operating temperature range from -40°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.

Who makes Eaton supercapacitor?

Founded in 1911, Eaton has established itself as one of the biggest supercapacitor manufacturers in the world. It is a diversified power management company that provides hydraulic, energy-efficient electrical, and mechanical power management solutions.

Electrochemical double-layer capacitors (EDLCs) also called supercapacitors (SCs) promise to play an important role in meeting the demands of electronic devices and integrated ...

Nanoramic Laboratories, founded in 2009, is headquartered in Boston, Massachusetts. The company specializes in advanced energy storage and thermal ...

The supercapacitor product lineup of CAP-XX includes its G Series for peak assist discharges, the D Series for burst power backup use, the AC Series for RTC domain power ...

A supercapacitor is an energy storage medium, just like a battery. The difference is that a supercapacitor stores energy in an electric field, whereas a battery uses a chemical ...

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

Manufacturer of nickel capacitor modules or supercapacitors for high power engine starting application. Available in various models with -40 to 50 degrees C operating ...

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