

Budapest high temperature supercapacitor manufacturer





Overview

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°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 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.



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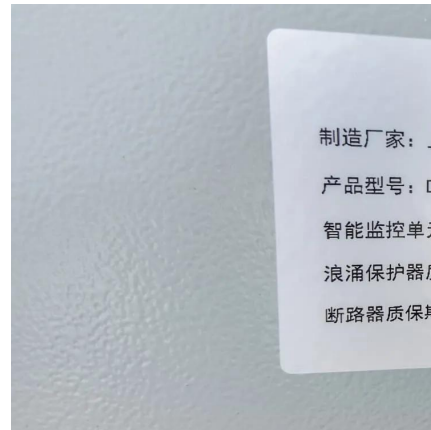


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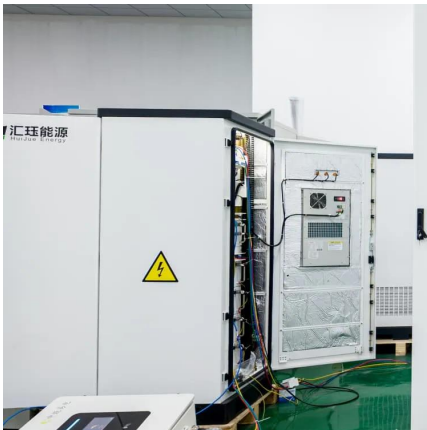


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