EK super high current capacitor

What are supercapacitors & EDLC?
Supercapacitors also known ultracapacitors and electric double layer capacitors (EDLC) are capacitors with capacitance values greater than any other capacitor type available today. Supercapacitors are breakthrough energy storage and delivery devices that offer millions of times more capacitance than traditional capacitors.

What are high power supercapacitors?
High power supercapacitors are designed similar to electrolytic capacitorshowever supercapacitors use high surface area carbon for accumulation of charge as opposed to the low surface area foils in electrolytic capacitors. An electric double layer is formed at the interface of the solid carbon electrode and liquid electrolyte.

What are Eaton supercapacitors?
New Eaton supercapacitors have been developed incorporating both the high energy density of batteries (100 times the energy of electrolytic capacitors) and the high power of capacitors (10 to 100 times the power of batteries) as shown in Figure 1. Figure 1. Power density vs. energy density

What makes supercapacitors different from other capacitors?
Available in a wide range of sizes,capacitance and modular configurations,supercapacitors can cost-effectively supplement and extend battery life,or in some cases,replace batteries altogether. What makes' supercapacitors different from other capacitor types are the electrodesused in these capacitors.

Types of Supercapacitor An electrochemical capacitor, also called a supercapacitor, bridges the gap between traditional capacitors and batteries to store energy. A supercapacitor has a high power density, a ...

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The prosperity of microelectronics has intensified the requirement for miniaturized power systems using capacitors with high capacity and broad frequency ranges. Electrochemical supercapacitors ...

Current situation of supercapacitor industry Supercapacitors are capacitors with fast and large capacity energy storage (electrical energy) capabilities. ... What are the uses and functions of ...

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