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Title: EK supercapacitor specifications and models

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EDLCs share the same equivalent circuit as conventional capacitors. The first order model is represented by the circuit below. It is comprised of four ideal components.

When correctly used, supercapacitors can support high power levels, high pulse power loads, and long-term back-up power needs. Understanding the nuances of ...

Types of Supercapacitors Supercapacitors, compared to batteries, can be grouped into three families--electrostatic double-layer capacitors, pseudocapacitors and hybrid capacitors.

This is the catalog page of the TDK Electric Double-Layer Capacitors (EDLC / Supercapacitors). You can find the most suitable product for your design ...

Introducing Eaton's family of supercapacitors, unique, ultra-high capacitance devices utilizing electric double layer capacitor (EDLC) construction. Ideal for a wide variety of applications that ...

Supercapacitors are based on a carbon technology. The carbon technology used in these capacitors creates a very large surface area with an extremely small separation distance.

Source: Activated carbon based electrodes in commercial supercapacitors and their performance, V. Obreja et al., International Review of Electrical Engineering (2010)

Supercapacitors (SCs) are emerging renewable energy devices that offer promising energy storage properties, such as high power density, rapid charging-discharging ...

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back-up power needs. ...

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Eaton supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high performance materials.

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