

# Super cylindrical capacitor





## Overview

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Which supercapacitors have the highest capacitance?

Spell Technologies, Skelton Technologies, Maxwell Technologies, Eton, and LSMtron are the leading manufacturers with supercapacitors with the highest capacitance. Table 4 compares commercially available supercapacitors with their electrical specifications, such as rated voltage, rated capacitance, ESR, specific energy, and specific power.

What are Eaton hybrid supercapacitors?

Eaton hybrid supercapacitors are high reliability, high power, ultra-high capacitance energy storage devices utilizing proprietary materials and processes. This combination of advanced technologies allows Eaton to offer a wide variety of capacitor solutions tailored to applications for backup power, pulse power and hybrid power systems.

What is the specific power of a supercapacitor?

However, the specific power is low compared to other supercapacitors due to its internal mechanism of battery characteristics. Skelton Technologies manufacture supercapacitor capacitance of 5000F and specific energy of 11.1 Wh/kg, specific power of 28.4 kW/kg and voltage of 3.0 V .

What are Eaton supercapacitors?

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



## Super cylindrical capacitor

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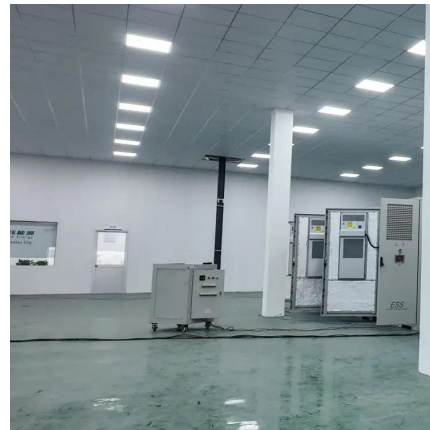


### [XT Supercapacitor data sheet](#)

Jan 30, 2025 · Description Eaton supercapacitors are unique, ultra-high capacitance devices utilizing electrochemical double layer capacitor (EDLC) construction combined with new, high ...

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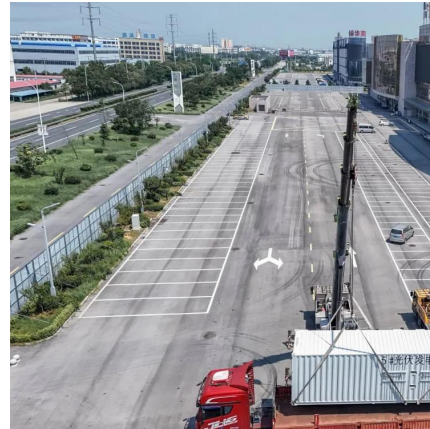
### [SCC Series - SuperCapacitors](#)

The new series of cylindrical electrochemical double-layer capacitors offers excellent pulse power handling characteristics based on the combination of very high capacitance and very low ESR. ...



### [SuperCapacitors \(Double Layer Capacitors\)](#)

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### [Cylindrical supercapacitor cells and packs , Eaton](#)

May 10, 2021 · Supercapacitor cylindrical cells are energy storage devices and often referred to as "ultracapacitor cells" or "EDLC cells" (Electric Double-Layer Capacitor cells). Small ...



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### [A review of supercapacitors: Materials, technology, ...](#)

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### [KYOCERA AVX SCC High Capacitance Cylindrical SuperCapacitors](#)

Oct 6, 2016 · KYOCERA AVX SCC High Capacitance Cylindrical SuperCapacitors feature a 1F to 3000F capacitance range with a 2.3V to 3.0V rated voltage range. The SCC series offers ...

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