



BUHLE POWER

# 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?

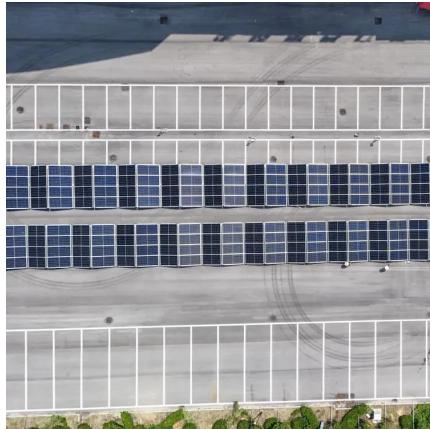
However, the specific power is low compared to other supercapacitors due to its internal mechanism of battery characteristics. Skelton Technologies manufacture supercapacitor capacitance of 5000F and specific energy of 11.1 Wh/kg, specific power of 28.4 kW/kg and voltage of 3.0 V .

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



### [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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### Cylindrical Supercaps , CAP-XX

AP-XX Core cylindrical supercapacitors provide reliable pulse power and voltage stability for backup systems, motors, and heavy-duty industrial electronics.

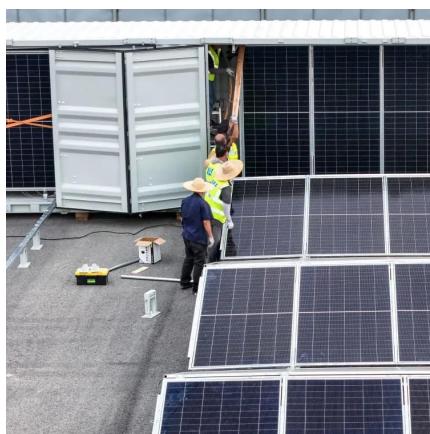


### KYOCERA AVX SCC High Capacitance ...

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

### Supercapacitor Technical Guide

Feb 23, 2024 · Supercapacitor Construction What makes supercapacitors different from other capacitor types are the electrodes used in these capacitors. Supercapacitors are based on a ...



### HS/HSL Supercapacitor data sheet

Aug 11, 2025 · Description Eaton hybrid supercapacitors are high reliability, high power, ultra-high capacitance energy storage devices utilizing proprietary materials and processes. This ...



## A review of supercapacitors: Materials, technology, ...

Aug 15, 2024 · Table 4 compares commercially available supercapacitors with their electrical specifications, such as rated voltage, rated capacitance, ESR, specific energy, and specific ...



## 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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