

**SolarInnovate Energy Solutions**

# **Tunisia Super Lithium Capacitor Manufacturer**



## Overview

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What is a lithium ion capacitor?

Lithium-ion capacitor is a hybrid energy storage device, classified as an electrochemical capacitor, that combines the high energy density and low self-discharge of a battery with the rapid charging/discharging capabilities and long cycle life of a supercapacitor.

Which lithium ion capacitor has the highest energy density?

Introducing a Patented (US 11302487 B2) Product Lithium Ion Capacitor (LIC) that features the highest energy density when compared to any Supercapacitor available in the market.

What is a Li-ion capacitor?

Li-ion capacitors offer a favorable combination of high energy density and high power density, and can effectively bridge the gap between batteries and capacitors to improve the efficiency of electrical systems. SPEL G-Series 3000F LiC contains 18 Watthours per kilogram of specific energy density and 30 Wh/L of volumetric energy density.

What is a LIC capacitor?

As seen in the Ragone plot, LICs have similar energy density as batteries but rival the power density of conventional and electric double-layer capacitors (ultracapacitors/Supercapacitor). LICs and related hybrid electrochemical capacitors are designed to push the limits of the frontier where energy and power converge.

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### Top 5 Super Capacitor Companies in Global 2025 , Global ...

Jul 15, 2025 · The Super Capacitor Market is witnessing robust growth worldwide as industries increasingly shift toward sustainable, high-efficiency energy storage solutions. In 2025, global ...

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