



# Super Lithium Ion Capacitor Module

Efforts to blend the characteristics of supercapacitors and Li-ion batteries have resulted in a hybrid supercapacitor called the Li-ion capacitor (LiC). This increases the supercapacitor's ...

The module is designed for easy and safe use while maximizing the characteristics of the cell, and can be applied to various applications such as backup, leveling, storage, peak assist, and energy ...

Compared to lithium-ion batteries, they enable a surge current that is up to ten times greater. In addition, they offer extremely high discharge cycles, which are almost infinite compared to batteries, and a ...

Engineered to replace traditional batteries, the HCAP provides both high power for engine starting and sustained energy for long-duration backup--all in a single, compact, maintenance-free module.

Lithium Ion Capacitor (LIC) is a safe and reliable component. It has been tested for safety including capacitor body penetration, external pin short circuit, and external impact on the body.

Hybrid supercapacitors are energy storage devices that combine the benefits of electric double-layer capacitors (EDLCs) and lithium-ion technology, achieving over 100% greater energy densities with ...

High accurate inter-cell voltage balance control. Enables fast charge/discharge at high current. High energy density for compact light weight equipment. Higher operating voltage. Extremely low leakage.

Lithium-ion Capacitors (LIC) is SPEL Patented (US 11302487 B2) variant of Supercapacitor features energy density over 3X more than EDLC Supercapacitors. Single cell Voltage is 3.8 VDC, Capable of ...



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