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Title: Liberia Super Lithium Ion Capacitor Series

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Lithium-ion capacitors (LIC) combine the high power densities of ultra-capacitors with the high energy density of lithium-ion batteries. LICs are further characterised by: long life, state of ...

LIB Series Operating temperature: -20° to $+65^{\circ}$ Capacitance range: 200F to 1100F Rated voltage: 2.5V~4.0V Shelf life: After 2 years at 25° C ...

It has been tested for safety including capacitor body penetration, external pin short circuit, and external impact on the body. There is no doubt about fire, expansion, rupture, etc., and it is a ...

High accurate inter-cell voltage balance control. Enables fast charge/discharge at high current. High energy density for compact light ...

In order to verify the validity of the designed strategy in this paper, a simulation model has been built in LTSpice in accordance with information extracted from both capacitor type data sheets ...

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LIB Series Operating temperature: -20° to $+65^{\circ}$ Capacitance range: 200F to 1100F Rated voltage: 2.5V~4.0V Shelf life: After 2 years at 25° C without load, the capacitor shall meet the ...

Their hybrid structures combine aspects of Li-ion batteries and EDLCs in a single device. They offer long cycle lives and high energy densities, and their extended discharge ...

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.

Compared to a double-layer capacitor, the LIC has similar life and power performance with the added benefits of higher energy density, low self-discharge and higher cell voltage.

The review paper summarizes the latest research and findings in the field of lithium-ion capacitor technology for the first time.

Testing LIC and LIB series lithium ion super-capacitors from Taiwanese company CDA. Product Data Sheets:...more

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