

Electric Double Layer Capacitors & Li-Ion Capacitors, Technology, Applications & Market Review

Report Content

What is a Super Capacitor?

First introduction to the market

Internal Construction (Double Layer Illustration)

What Super Capacitor Provide

Super Capacitors - Comparison

Super Capacitors Advantages & Limitations

Electrolyte used with super capacitors

Super capacitors types Aqueous and organic super capacitors comparison

Coin, Button, Cylindrical, Prismatic shapes

Definitions: Capacitance, Capacitance Tolerance, ESR AC & DC, Rated Voltage, Polarity, Leakage Current, Operating & Storage Temperatures, Max Power

Super Capacitor Aging and limiting factors

Super capacitors - Manufacturing process

Asymmetric Li-Ion Super Capacitors

Benefits of asymmetric super capacitors

Super capacitors + batteries = better performance

Super capacitors balancing

Parameters for Selecting a Super Capacitor

Electrode, Electrolyte materials

Super Capacitors Calculations

Super Capacitors Applications

Hybrid solutions – Primary lithium cell + super capacitor

Qualification Test Summary – Example

Super capacitor selector worksheet

Lithium Ion Capacitors, Technology, Applications & Market Review

Super capacitor module design form

Super capacitors UL certifications

Super capacitors – Industry challenges'

Lithium Ion Capacitors: An Effective EDLC Replacement

Review of 5 Academic Researches

Review of 66 ordinary EDLC manufacturers

Review of 29 leading Super Capacitor developers/manufacturers

EDLC & LIC capacitors patent review (2017-2018)

Super Capacitors Summary, Market Forecast & Trends

Contact us for purchasing a copy - shmuel@sdle.co.il

Research files format: Power Point

** We do a custom-made market report per demand