



# Elbit Energy

**Line of Business**  
Energy Storage Solutions

**Established**  
1998

**Leading Executive**  
Mr. Erez Schreiber

**A**s a part of Elbit Systems Ltd.– an international defense electronic company – Elbit Energy has developed a full range of energy storage and power management solutions that meet the ever demands. Elbit Energy’s solutions address the following requirements: high power, high voltage and energy, extended life cycle, rapid charge-discharge times, environmentally-friendly, and smart power management.

Elbit Energy has developed a cutting edge, high power, aqueous supercapacitor solution with customizable characteristics and dimensions. Elbit Energy’s innovative “green” technology exhibits a new level of efficiency, power and energy densities. It is cost-effective, with a unique electrode preparation process and an advanced mechanical

with the leading Academies in Israel, in leveraging your technology and reaching a prototype stage of a Nano-based supercapacitor.”

Elbit Energy’s patented unique structure and assembly procedure enables us to custom made our supercapacitor solutions upon customer specification, requirement and application

Our supercapacitors solutions were designed for high power demands some of our automotive solutions:

- **Elbit’s Start stop solution:** maximize the efficiency of internal combustion engines (ICEs) in hybrid vehicles, delivers savings in fuel and vehicle emissions and enables regenerative braking.



structure, resulting in highly-effective capacity, extended life-cycle, high energy efficiency and reliability at temperatures from -46°C to +65°C.

Elbit Energy’s prides itself on in-depth R&D covering the development, design and implementation of novel materials and nanotechnologies for challenging energy density requirements and environments, and has been selected as the Israeli Nanotechnology Company of the year (2012) – for its excellence in implementing state of the art material and innovative technology: “In recognition of its collective group efforts in embracing nanotechnology into the company, building an impressive infrastructure and its excellent cooperation

- **Elbit’s Peak power for heavy duty solution:** Our products lower inner resistance and 100% reliability at temperatures from -46°C to +65°C, allowing maximum power availability, makes it the perfect energy solution for Cold Crank.
- **Hybrid Power Pack solution:** Elbit’s innovative solution consists of Battery and supercapacitor that has the energy density of a battery and the power density of a supercapacitor, resulting in the “next generation “of the common Lead Acid battery.



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