

SAN DIEGO - 24 Feb 2025 - General Atomics Electromagnetic Systems (GA-EMS) announced today that it has been awarded a contract from General Dynamics Electric Boat to fabricate and deliver three shipsets of Virginia ...

- o Improved Energy Efficiency - Order of magnitude efficiencies increase (from energy storage to launch energy released)
- o Reduced Requirement for Ship Auxiliaries - No steam out of engineering spaces - Reduces water consumption by ~37,000 gal/day of operations
- o Improved Shipboard Quality of Life - Quiet operations permits crew and pilot rest

Pulsed power in mobile systems requires high energy density capacitors as energy storage and power compression devices. Applications range from medical defibrillators to naval artillery, with a wide envelope of operating conditions requiring several technology approaches. The ongoing, multifaceted development effort on high energy density pulsed power capacitors at General ...

Capacitance values ranging from microfarads at 100 kV to nanofarads at 1 MV; Rated from 100 thousand volts to megavolts; Our very high voltage capacitors are typically used under oil for pulse shaping or peaking in large pulse power ...

SAN DIEGO - 02 DEC 2024 - General Atomics Electromagnetic Systems (GA-EMS) announced today that it has been awarded a contract from the U.S. Navy via Advanced Technology International (ATI) for its Long Range Maneuvering ...

General Atomics Energy Products General Atomics Electronic Systems, Inc. 4949 Greencraig Lane, San Diego, CA 92123-1675 USA Juleigh Herbig United Defense LP Advanced Armament Systems 4800 East River Road, Minneapolis, MN 55421 Abstract This paper will describe how film capacitors with energy densities of greater than 1 J/cc and suitable for

General Atomics Electromagnetic Systems (GA-EMS) specializes in creating power and energy systems designed to meet that challenge and support a wide range of land, sea, and air applications. LiFT battery systems are modular, ...

One of the major circuit applications of General Atomics Energy Products capacitors is that of Pulse Forming Networks or PFNs. PFNs are usually comprised of a number of capacitors and inductors arranged so that the ...

General Atomics Electromagnetic Systems (GA-EMS) is globally recognized as the leading U.S. developer . and manufacturer of advanced high voltage capacitors for DC, pulsed, high frequency AC, and specialized ... Energy Storage ; Capacitors. 2.8 kV - 13.2 kV; 575 µF - 64,000 µF. 150 nH - 1,200 nH;

Self-healing metalized film capacitors .

Formerly part of Maxwell Energy Products, General Atomics Energy Products is globally recognised as the leading US developer and manufacturer of advanced film capacitors, HV capacitors, high energy capacitors, metallized capacitors and high current capac...

General Atomics (GA) and its team members reached a milestone today on the Electromagnetic Launch System (EMALS) program with the successful completion of factory acceptance testing of the motor generator component of the Energy Storage System (ESS). EMALS team member Kato Engineering, Inc manufactured and tested the motor generator at ...

Thermochemical Heat Storage for Concentrated Solar Power Subject: This document summarizes the presentation on Thermochemical Heat Storage for Concentrated Solar Power by General Atomics. Created Date: 2/1/2010 2:10:37 PM

Formerly part of Maxwell Energy Products, General Atomics Energy Products is globally recognised as the leading US developer and manufacturer of advanced film capacitors, HV ...

Pulsed power in mobile systems requires high energy density capacitors as energy storage and power compression devices. Applications range from medical defibrillators to naval artillery, ...

General Atomics Energy Products (GAEP) designs and manufactures large energy storage / pulse discharge capacitors using a variety of dielectric and electrode systems that are optimized for different applications. Formerly known as Maxwell Energy

General Atomics Electromagnetic Systems (GA-EMS) announced today that it has successfully executed several significant high-impact tests at NASA's Marshall Space Flight Center (MSFC) to advance the development of ...

Thermochemical Heat Storage for Concentrated Solar Power Subject: This document summarizes the presentation on Thermochemical Heat Storage for Concentrated ...

For thermal energy storage systems it can be derived that there is more than one storage technology needed to meet different applications. Consequently, a broad spectrum of storage technologies, materials and methods is needed. ... A novel approach, pioneered by the Californian company General Atomics, ...

Sulfur Based Thermochemical Energy Storage for Solar Power Tower Author: Bunsen Wong, General Atomics Subject: This presentation was delivered at the SunShot Concentrating Solar Power (CSP) Program Review 2013, held April 23 25, 2013 near Phoenix, Arizona. Created Date: 5/21/2013 9:15:43 AM

A high-voltage capacitor is an electrical component designed for energy storage at high voltage levels. This

device employs two conductors, typically made of metal foils or thin films, separated by a dielectric material known for its exceptional insulation capabilities. ... General Atomics, established in 1955, and headquartered in San Diego ...

General Atomics Electromagnetic Systems (GA-EMS) is transforming innovative concepts into breakthrough electric weapon systems and surveillance systems to support the future warfighting force. ... For high energy laser weapons, this ...

General Atomics, San Diego, California, is awarded an \$8,837,078 firm-fixed-price order (N0001922F2258) against a previously issued basic ordering agreement (N0001921G0014). ... This order provides for the ...

General Atomics Electromagnetic Systems (GA-EMS) announced today that unfueled nuclear fuel rods using the company's SiGA[®] fuel cladding successfully survived a 120-day irradiation testing period in the Advanced ...

Name: Nanostructured surfaces for HED, hydrogen storage. The COE. Adv. Mat. Eng. Supporting R& D in to innovate and develop different technologies in Solid-state-Hydrogen storage, the use of Nuclear energy for H₂ production, and the ...

General Atomics Electromagnetic Systems (GA-EMS) announced today that the Orbital Test Bed satellite (OTB) launched in June of 2019 has successfully completed its five-year mission. ... From electromagnetic, power generation and energy storage systems and space systems and satellites, to hypersonic, missile defense, and laser weapon systems, GA ...

Contact GA for custom MIL-Spec capacitor designs. Custom designed to meet your requirements. Current ratings up to 1 MA. For maximum stored energy in the smallest possible volume. Shot life ratings from 1×10^3 up to 1×10^{11}

The General Atomics Capacitors (GA-ESI 38982, 38994) have a total energy density of 1.3 J/cc while the manufacturer B's capacitor has an energy density of 0.64 J/cc.

General Atomics Electromagnetic Systems (GA-EMS) announced today that the Defense Innovation Unit (DIU) has selected the Clean Earth waste facility in Charlotte, North Carolina to demonstrate GA-EMS' industrial Supercritical Water Oxidation (iSCWO) system for the destruction of per- and polyfluoroalkyl (PFAS) waste.

General Atomics Delivers World's First Data-Aware Cloud ... In this video from SC15, Bob Murphy from General Atomics describes the company's alliance with ArcaStream to deliver the world's first data-aware cloud storage gateway.

San Diego, June 2, 2010: General Atomics' Advanced Power Systems Division today announced that it has

completed testing of an advanced thermal energy storage device capable of cooling directed energy weapons (DEW). The 3 megajoule device is the first large scale module capable of storing heat at a high rate as required for DEW.

Sulfur Based Thermochemical Energy Storage for Solar Power Tower Author: Bunsen Wong, General Atomics Subject: This presentation was delivered at the SunShot ...

Web: <https://eastcoastpower.co.za>

