



What is Carbon Ion Energy Storage Ltd?

Carbon Ion Energy Storage Ltd is a company that has acquired all the assets of ZapGo Ltd, including over 30 patents and the benefit of \$25 million research and development. Currently, they have a Gen IV battery that is being prepared for commercialization.

What is carbon ion energy?

Through its subsidiaries Carbon-ion Energy, Inc and Oxcion, Ltd, the Company is developing a new class of energy storage device with considerable functional improvements over commercially available supercapacitors. This technology is referred to as the Carbon-ion or C-ion cell in contrast to Lithium-ion or Li-ion.

Who is carbon-ion energy?

Our wholly-owned subsidiary, Carbon-Ion Energy, Inc. ("Carbon-Ion") is dedicated to the development of sustainable energy systems based on its proprietary supercapacitor technology. References in this letter to "we," "us," and "our" include Corporate Universe, Inc. and its wholly owned subsidiary, Carbon-Ion.

Who is the new CEO of carbon ion energy storage?

Andrew Sispoidis, Chief Executive Officer of Carbon Ion Energy Storage Ltd will assume the Chief Executive Officer position and Isaac H. Sutton, Chief Executive Officer of Corporate Universe, Inc. will become the Chief Operating Officer.

Did carbon-ion energy acquire corporate universe?

CORPORATE UNIVERSE, INC. Carbon-ion Energy, Inc. completed the acquisition of Corporate Universe, Inc. in a reverse merger transaction. Carbon-ion Energy, Inc. entered into a letter of intent to acquire Corporate Universe, Inc. (OTCPK:COUV) in a reverse merger transaction on December 10, 2020.

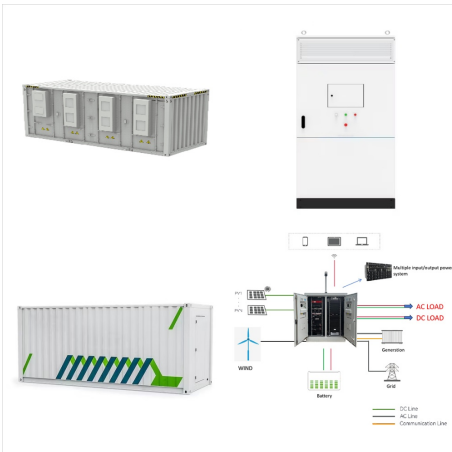
What are the advantages of carbon ion's 'instant-charge' technology?

Improved energy storage allows the cell to be used as the principal method of energy storage in a far wider range of technologies than conventional batteries or supercapacitors. High specific power allows very fast

charging (often times only seconds) through Carbon Ion's "Instant-charge" technology



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Carbon-Ion has previously participated in a project funded by the UK government in collaboration with the University of Oxford to evaluate how its technology could deliver a powerful boost in hybrid systems and the cost-saving measures ???



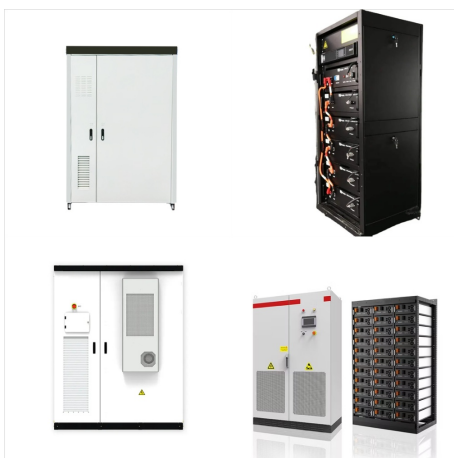
The energy is stored until electricity is scarce, expensive, and urgently needed. Then the batteries are discharged. BESS can discharge its energy over 1, 2 or 4 hours. C ratings of 1.0C, 0.5C and 0.25C describe the ratio between output ???



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1. Introduction. As society advances, energy storage and conversion systems shift in the direction of high efficiency, low cost, and environmental friendliness [1], [2]. Aqueous zinc-ion batteries (AZIBs) show positive research value and favorable application prospects owing to abundant reserves, low toxicity, and stable chemical properties of zinc metal, along with its two electron ???



Developer of electrostatic and capacitive energy storage devices designed to provide cost-effective grid energy storage services. The company offers recyclable devices that can be used in electric vehicles, mobile phones, and connected devices, enabling clients to improve the performance of supercapacitors and charge batteries in less time.

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Emerging energy storage devices are vital approaches towards peak carbon dioxide emissions. Zinc-ion energy storage devices (ZESDs), including zinc ion capacitors and zinc ion batteries, are being



Carbon Ion Energy Storage Ltd will move with laser focus on commercializing their products as well will be moving towards a NASDAQ listing in 2021. Also on April 13, 2021, in connection with the Share Exchange Agreement, Carbon Ion issued Corporate Universe a Promissory Note in the principal amount of \$1.5 million, which includes the loan of \$1



Emerging energy storage devices are vital approaches towards peak carbon dioxide emissions. Zinc-ion energy storage devices (ZESDs), including zinc ion capacitors and zinc ion batteries, are being intensely pursued due to their abundant resources, economic effectiveness, high safety, and environmental friendliness. Carbon materials play their important role in the ???



Mechanical ball milling is a prevalent technology for material preparation and also serves as a post-treatment method to modify electrode materials, thus enhancing electrochemical performances. This study explores the microstructure modification of commercial activated carbon through mechanical ball milling, proving its efficacy in increasing sodium-ion energy storage. ???



Carbon-Ion Energy Storage Ltd (CES) acquires ZapGo assets from Administrator Q4 2020
Carbon-Ion Energy Storage Ltd completes asset transfer to US entity Carbon-Ion Energy Storage, Inc (CES). Q4 2020 Carbon-Ion Energy Storage, Inc (CES) seeks equity capital in conjunction with reverse merger with public vehicle.



A new carbon-ion battery technology has been developed by ZapGo Ltd and is expected to charge an electric vehicle 100 times faster than existing battery technologies. The technology has been developed in Oxford in the UK, to charge an EV in 35 seconds and providing a 350-mile (500 km) range, comparable to traditional combustion engine vehicles.

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The energy is stored until electricity is scarce, expensive, and urgently needed. Then the batteries are discharged. BESS can discharge its energy over 1, 2 or 4 hours. C ratings of 1.0C, 0.5C and 0.25C describe the ratio between output over energy storage capacity.



ADVANCING THE STATE-OF-THE-ART.

Carbon-Ion cells have unique properties that allow them to charge and discharge extremely quickly, while still retaining meaningful energy storage, which enables delivery of fast, clean ???



In ambient temperature energy storage, sodium-ion batteries (SIBs) are considered the best possible candidates beyond LIBs due to their chemical, electrochemical, and manufacturing similarities. Faradion Ltd., UK, established in 2011, Conclusion & outlook. Effect of pore morphology on the enhanced potassium storage in hard carbon



Are Na-ion batteries nearing the energy storage tipping point? ??? Current status of non-aqueous, aqueous, and solid-state Na-ion battery technologies for sustainable energy storage Tiamat Energy Ltd. has successfully developed SiB-powered electric two-wheelers with 18,650 starts and stop Na-ion batteries (12 and 48 V). Modeling studies



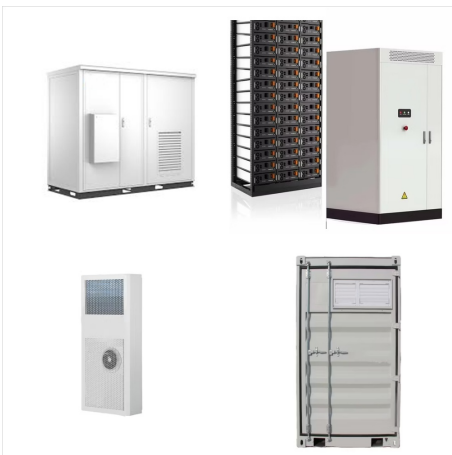
Dan Taylor and Hassen Bali, Co-Founders of Flexion Energy and Ion Ventures, commented: "The requirement for energy storage in the UK is significant and growing as we transition to a lower carbon



Lithium-ion batteries (LIBs) are one of the most promising energy storage systems because of their excellent properties such as high energy densities. 1,2 However, alternative energy storage systems are required to alleviate demand for LIBs in the near future because Li resources are limited and unevenly distributed throughout the world. Thus, sodium (Na) is an ???



Carbon-Ion cells have unique properties that allow them to charge and discharge extremely quickly, while still retaining meaningful energy storage, which enables delivery of fast, clean power-on-demand. These unique Carbon-Ion cells deliver a powerful boost in hybrid systems, for example enabling enhanced grid revenue stacking or even powering



Sodium-ion batteries (SIBs) have been regarded as one of the most promising candidates for large-scale energy storage systems to support sustainable energy from renewable sources due to their low cost and inexhaustible sodium resources. 1-3 Unfortunately, commercialized graphite anodes in lithium-ion batteries have been proven problematic for



With the increasing demand for low cost and large-scale "green" energy storage for power grids and other applications, sodium-ion batteries (SIBs) rather than lithium-ion batteries (LIBs) have attracted great interest due to the worldwide abundance of sodium and the low cost of sodium-precursors [1], [2], [3]. However, the practical use of SIBs is not possible at the ???



Carbon-Ion that is designed to produce the next generation of energy storage devices based on this technology platform, with four core values: to be faster charging, safer, longer lasting and more recyclable than lithium batteries.



Carbon-Ion has previously participated in a project funded by the UK government in collaboration with the University of Oxford to evaluate how its technology could deliver a powerful boost in hybrid systems and the cost-saving measures generated by ???



Hard carbon (HC) has emerged as a strong anode candidate for sodium-ion batteries due to its high theoretical capacity and cost-effectiveness. However, its sodium storage mechanism remains contentious, and the influence of the microstructure on sodium storage performance is not yet fully understood. This study successfully correlates structural attributes ???

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Thermal Energy Storage (TES) systems are pivotal in advancing net-zero energy transitions, particularly in the energy sector, which is a major contributor to climate change due to carbon emissions. In electrical vehicles (EVs), TES systems enhance battery performance and regulate cabin temperatures, thus improving energy efficiency and extending vehicle range. ???



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Company status Active ??? Active proposal to strike off. Company type Private limited Company