

New Energy Storage Containerized Solution for Data Centers with Hybrid-Graphene Battery System

Clean Power for Gen AI



Monterey, California Feb 3, 2025 ([IssueWire.com](https://www.issuewire.com)) - America Clean Energy Group has launched a new energy storage containerized solution specifically tailored for data centers, featuring an innovative hybrid-graphene battery system. This advanced solution aims to revolutionize energy storage within the data center industry, addressing the growing demand for reliable, efficient, and environmentally friendly power sources. With the data center industry increasingly relying on lithium and grid power, this new offering provides a significant leap forward in energy management and sustainability.

ACE group product is ready for market and can be deployed in a very short time.

The hybrid-graphene battery system offers distinct advantages over traditional battery technologies. It is designed to eliminate thermal runaway risks, ensuring enhanced safety and reliability. Moreover, this battery system boasts a remarkable ability to charge and discharge four times within 24 hours, offering data centers operational flexibility previously unattainable with standard lithium batteries. Data centers face numerous challenges related to energy consumption and storage. The pressure to find sustainable and cost-effective energy solutions has intensified as the industry continues to grow. The hybrid graphene battery system presents a unique opportunity for data centers to transition from traditional lithium-based systems to a more efficient and durable option with a life cycle three times longer than that of lithium products.

One of the standout features of the energy storage containerized solution is its scalability, making it

suitable for data centers of varying sizes. This flexibility allows operators to tailor their energy storage capabilities to meet specific operational needs while optimizing costs. By monitoring individual cells, the system can anticipate potential issues before they escalate, significantly enhancing safety and reliability.

In addition to its technical advantages, the hybrid graphene battery system is also economically beneficial. It offers a cost per cycle approximately three times cheaper than traditional lithium batteries, making it an attractive option for data center operators looking to reduce their energy expenses. Current market dynamics show that data centers are increasingly seeking innovative and sustainable energy alternatives, and this new solution positions itself as a strong competitor in the energy storage market. The energy storage containerized solution can be charged through various sources, including grid power, solar energy, generators, and wind. This versatility enhances its appeal for data centers integrating renewable energy sources into their operations. With the growing emphasis on sustainability and resilience within the industry, this solution provides a clean and reliable power source for critical data center operations. [America Clean Energy Group - Solutions Based - Energy Storage Platform](#)

Joe Carbine, Managing Partner and Chief Operating Officer, and Jim Loewen, Vice President of Tech Sales/ President of the Canada Group at ACE, stated, "Our new energy storage containerized solution leverages the unique properties of hybrid-graphene technology, offering data centers an unprecedented combination of longevity, safety, and cost efficiency. This innovation enhances operational efficiency and aligns with the industry's shift toward sustainable energy practices. We believe this solution will set a new standard in energy storage for data centers." "ACE Group believes this product aligns with the recent \$500B AI Data Center Infrastructure Build-Out announcement made by SoftBank and Open AI at the WH (Jan 21 (Reuters)). "We are building a very advanced product in Texas and hiring locally," stated Mr. Carbine, Managing partner and COO. In addition to the above, ACE Group has also launched a Hybrid Graphene residential storage unit. For more information, please reach out to our team.

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