

# Unigrid energy storage



IP65/IP55 OUTDOOR CABINET

ALUMINUM

OUTDOOR ENERGY STORAGE CABINET

OUTDOOR MODULE CABINET





## Overview

---

What is unigrid battery?

UNIGRID Battery, a spin-off from the University of California, San Diego, has achieved a significant milestone by receiving its first commercial MWh-scale purchase orders for their advanced sodium-ion batteries.

What is unigrid and how does it work?

UNIGRID's anode innovation increases the energy densities of sodium ion batteries by a factor of 2x and eliminates battery safety hazards, offering competitive advantages in distributed energy storage markets. CaptureDx is committed to increasing equitable access to expert-level healthcare.

What is unigrid's sodium-ion battery technology?

Discover UNIGRID's sodium-ion battery technology that combines safety, performance, and sustainability. Our innovative batteries use abundant resources to deliver efficient and powerful energy storage solutions for a cleaner, safer world. Learn more and take the Sodium-Ion Challenge today!.

Where can I buy HomeGrid energy storage?

HomeGrid 14.4 kWh Lithium Iron Stack'd Battery Storage - 3 Battery Modules - Stack'd 14.4kWh • EcoDirect.com sells HomeGrid Energy Storage at the lowest cost. Order Online or Call Us! 888-899-3509.

Is unigrid a good choice for sodium ion?

UNIGRID saw an immediate opportunity for sodium ion in North America's residential, behind-the-meter energy storage system (ESS) market (ie., the power packs- like Tesla's Powerwall- that are installed in homes). They have moved quickly to scale up and produce their first product, their first-generation cylindrical cell.

Will unigrid deliver MWh batteries in 2024?



UNIGRID's advanced sodium-ion batteries have undergone third-party testing and validation, and the company is on track to deliver MWh quantities to customers in 2024. The team is ramping up production in San Diego, California, to meet the growing interest and demand.



## Unigrd energy storage

---



### UNIGRID Battery Raises \$12M in Series A Funding

Unigrd Battery, a San Diego, CA-based startup developing advanced sodium-ion batteries, raised \$12M in Series A funding. The round was led by Transition VC and Ritz Venture Capital, with

### ?Darren H. S. Tan?

Ph.D, University of California, San Diego,  
UNIGRID Battery - Cited by 4,311 - Energy Storage - Next Generation Batteries This "Cited by" count includes citations to the following articles in Scholar. The ones marked \* may be different from the article in the profile.



### UNIGRID

UNIGRID's products are primarily sold to sectors requiring energy storage solutions, such as residential, commercial, and industrial entities,. It was founded in 2021 and is based in San Diego, California.

### Founder's Lessons: Darren H. S. Tan from Unigrd Battery

UNIGRID Battery, established in 2021 in San Diego, is a sustainable energy storage startup that develops advanced sodium-ion batteries, with research spun out of UCSD's chemistry lab, which



### Energy storage on the electric grid , Deloitte Insights

Energy storage is critical for mitigating the variability of wind and solar resources and positioning them to serve as baseload generation. In fact, the time is ripe for utilities to go "all in" on storage or potentially risk missing some of their decarbonization goals.

### Nascent's First Publication Explores Cost, Trade-offs, and Energy

Nascent has reached another milestone by publishing its first research paper in the Journal of Energy Storage (IF=9.4).The paper, titled "Energy, Power, and Cost Optimization of a Sodium-Ion Battery Pack via a Combined Physics-Based and Cost Modeling Approach," explores the optimization of sodium-ion (Na-ion) batteries, which is an emerging alternative to ...



### UNIGRID Battery announces \$12 Million Series A round

Advanced sodium-ion batteries will be a key enabler of widespread, distributed energy storage in the residential, commercial, and industrial markets. "As a technology leader in this space, UNIGRID already ...





### NVTX Energy

Innovating at the intersection of energy storage and sustainability, NVTX Energy is driving the shift towards a more resilient and renewable energy landscape. Our advanced grid storage systems integrate seamlessly with solar and battery ...



### Unigrd wants to make batteries cheaper and safer ...

Unigrd's first market will be energy storage for buildings and small campuses, but it's also looking to supply manufacturers of so-called light EVs, things like scooters, motorcycles and

### Energy Storage Systems: Technologies and High-Power ...

Energy storage systems are essential in modern energy infrastructure, addressing efficiency, power quality, and reliability challenges in DC/AC power systems. Recognized for their indispensable role in ensuring grid stability and seamless integration with renewable energy sources. These storage systems prove crucial for aircraft, shipboard ...



Energy storage(KWH)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

Outdoor All-in-one ESS cabinet



### Sodium-ion batteries maker UNIGRID raises USD 12m

Set up in 2021, the startup develops high energy density sodium-ion batteries for energy storage and electric mobility applications. It relies on a proprietary alloy anode ...



### Unigrd Battery

Peak Energy USA Privately Held Peak Energy is a US-based battery maker focused on developing low-cost, giga-scale energy storage technology to facilitate the renewable energy transition. The company manufactures sodium-ion batteries - a stable and proven battery chemistry that offers advantages in cost, supply chain security, scale, and safety over lithium-ion.



### Grid energy storage

Energy storage assets are a valuable asset for the electrical grid. [8] They can provide benefits and services such as load management, power quality and uninterruptible power supply to increase the efficiency and supply security. This becomes more and more

### Unigrd raises \$12m to fund development of sodium ...

A spin-out from the University of California at San Diego, Unigrd is developing advanced sodium-ion batteries. The company said it will use the funds to accelerate and scale up its battery production to "fulfill MWh-scale ...

Sample Order  
UL/KC/CB/UN38.3/UL



### Homepage

Discover UNIGRID's sodium-ion battery technology that combines safety, performance, and sustainability. Our innovative batteries use abundant resources to deliver efficient and powerful energy storage solutions for a cleaner, safer ...



### Sodium-ion Battery Startup UNIGRID Secures \$12 Million

"Advanced sodium-ion batteries will be a key enabler of widespread, distributed energy storage in the residential, commercial, and industrial markets. As a technology leader in this space, UNIGRID already has commercial-scale orders and will use the funds to expand manufacturing and customer fulfillment capabilities," said Darren H. S. Tan, CEO of UNIGRID ...



### Sodium-Ion Batteries: A Game Changer for Electric Vehicles and Energy

Sodium-Ion Batteries: The Future of Energy Storage Sodium-ion batteries are emerging as a promising alternative to Lithium-ion batteries in the energy storage market. These batteries are poised to power Electric Vehicles and integrate renewable energy into the grid. and integrate renewable energy into the grid.



### UNIGRID Battery: UC San Diego Spin-Off Secures Major Orders ...

UNIGRID has identified a substantial market opportunity in North America's residential energy storage system (ESS) market, particularly for behind-the-meter applications ...



### UC San Diego spin-off company receives MWh-scale ...

UNIGRID saw an immediate opportunity for sodium ion in North America's residential, behind-the-meter energy storage system (ESS) market (ie., the power packs- like Tesla's Powerwall- that are





### Sodium-Ion Battery Startup UNIGRID Battery Gets ...

The investment will accelerate and scale-up UNIGRID's battery production to fulfill MWh-scale customer orders in the electric mobility and stationary storage markets. "Advanced sodium-ion batteries will be a key ...



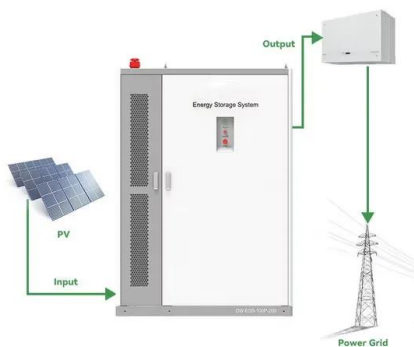
### Unigrd's Sodium-Ion Batteries: A Cheaper and Safer Alternative ...

Unigrd, a Belgian startup, raises \$12 million to develop cheaper and safer sodium-ion batteries as an alternative to lithium-ion for energy storage and light EVs. Skip to content Wednesday, October 23, 2024

### UNIGRID Battery Raises \$12M Series A

SAN DIEGO - Local startup UNIGRID Battery is a step closer to commercial production of its sodium-ion batteries following the successful close of an oversubscribed \$12 million Series A funding round. "That will allow us to enter production volumes that our customers require," CEO Darren Tan said. Darren TanCEOUNIGRID Battery Tan said the company ...

18650<sup>3.7V</sup>  
Li-ion  
RECHARGEABLE BATTERY  
2000mAh



### Sodium-ion Batteries in Energy Storage: Powering the Future

Sodium-ion (Na-ion) batteries are swiftly claiming their stake as a pivotal player in the energy storage domain. Given their distinct perks and emerging innovations, they're setting the stage to redefine power grids, household energy storage, and the compact 1.



### US Department of Energy to pump \$100m into non-lithium battery storage

The US government's Department of Energy (DOE) is set to pump \$100 million into projects looking at non-lithium batteries for long-term energy storage. It has issued a notice of intent offering to fund pilot-scale energy storage demonstration projects that focus on "non-lithium technologies, long-duration (10+ hour discharge) systems, and stationary storage applications."



### UNIGRID Raises USD 12M for Sodium-Ion Battery Expansion

UNIGRID Battery secures USD 12M to expand sodium-ion battery production! A big step for sustainable energy storage ? Global Sodium Ion Battery Market to Hit USD 1.84 Billion by 2030  
Cygni and HiNa Introduce Sodium-ion Energy Solutions for India

### Unigrd raises \$12m to fund development of sodium-ion battery ...

Darren Tan, CEO and co-founder of Unigrd, said: "Advanced sodium-ion batteries will be a key enabler of widespread, distributed energy storage in the residential, commercial, and industrial markets."



### UNIGRID Battery

UNIGRID Battery is developing Sodium Metal-alloy Batteries (SMBs) for grid-scale, long-duration energy storage applications, at a projected levelized cost of storage (LCOS) of 3.9 cents/kWh/cycle. The current state-of-the-art lithium-ion batteries (LIBs) are both too



## UC San Diego spin-off company receives MWh-scale ...

UNIGRID saw an immediate opportunity for sodium ion in North America's residential, behind-the-meter energy storage system (ESS) market (ie., the power packs- like Tesla's Powerwall- that are



## Sodium-ion Battery Startup UNIGRID Secures \$12 ...

UNIGRID, a provider of sodium-based battery solutions, raised \$12 million in an oversubscribed Series A funding round. The round was Co-led by Transition VC and Ritz Venture Capital and joined by new investor Union ...



## [Unigrd . Singapore Battery Consortium](#)

UNIGRID offers sodium all solid-state batteries to address the grid energy storage problem. While today's storage is dominated by lithium ion and other batteries, the marketplace has identified safety, cost and sustainability as the main determinants for grid storage success.



## UNIGRID Battery announces \$12 Million Series A round

"Advanced sodium-ion batteries will be a key enabler of widespread, distributed energy storage in the residential, commercial, and industrial markets. As a technology leader in this space, UNIGRID





## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.vdbconstruction.co.za>