

What is kraftblock energy storage?

Kraftblock's high-temperature thermal energy storage system allows you to switch to renewable energy. Kraftblock's innovative technology offers unparalleled large-scale, long-duration energy storage, empowering industries to transition towards sustainable thermal processes.

Is kraftblock a new energy storage startup?

Sulzbach-based Kraftblock, an innovative energy storage startup, successfully secured EUR20 million in a Series B funding round led by Shell Ventures, the venture capital arm of energy giant Shell, along with participation from five other global investors including Finindus and A&G Energy Transition Tech Fund.

What does kraftblock supply?

It supplies hot air, thermal oil, steam or water on any temperature level between 50°C and 1,300°C. Our systems are divided by the source or the use. Discover what fits your business. Industry specific. Energy storage solutions. Learn how you can deploy Kraftblock's Systems.

Is kraftblock a good investment for the industrial sector?

While for A&G Energy Transition Tech Fund, the VC arm of Spanish bank A&G, Kraftblock stands as an early investment with significant potential to drive the industrial sector's decarbonization. Kraftblock's storage system boasts high thermal conductivity, facilitating efficient heat transfer.

How does a kraftblock storage system work?

A part of the system is the transfer to other heat media. The Kraftblock system can discharge heat as air, steam, gas, thermal oil, water or other transfer media, depending on your infrastructure. Unlike batteries, a Kraftblock storage system also has no set charge/discharge ratio. While you can charge 3MW, you can discharge for example 0.5 or 7MW.

How long can heat be stored in a kraftblock container?

Heat up to 1,300°C is stored in the Kraftblock container for up to two weeks. The discharged energy is used on any temperature level to generate power, decarbonize heating networks or process heat. Our Systems. One storage - plenty of solutions.



Kraftblock, a German climate tech firm, has successfully raised €20M in a funding round to propel their sustainable thermal energy storage technology to a global stage. Kraftblock's unique nano-technology-based energy storage system allows for heat storage of up to 1,300°C, a game-changer in industries requiring high heat energy.



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Kraftblock developed a special storage material with high capacity that is able to store even 1,300°C. Furthermore, the team implemented this material into fixed storages (big storage vessels with several 100m³ of storage material for internal heat utilisation) as well as in mobile storages.



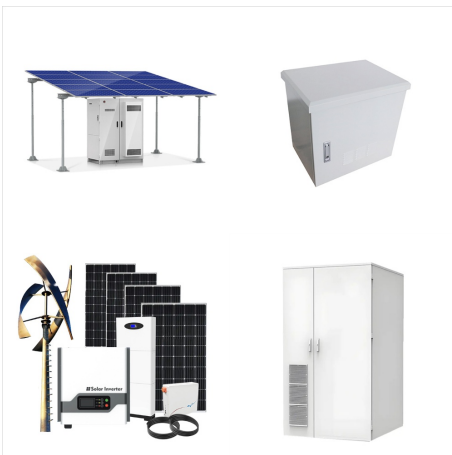
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Kraftblock is a thermal energy storage, the energy going in and out of the storage is heat. For process heat, this is more efficient than storing electricity in batteries or energy in hydrogen. The use cases for an energy storage system vary depending on when and how much energy can be charged and discharged.



Thermal energy storage solution firms Brenmiller and Kraftblock have agreed to deploy large-scale commercial projects for large European utilities, totalling 2GWh and 150MWh respectively. Brenmiller Energy has ???



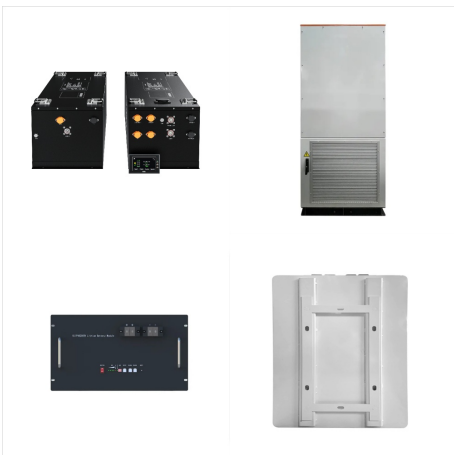
Imagine capturing the massive excess energy created by manufacturing plants, solar panels, wind turbines and storing it in a storage based sustainable energy system. These energy examples make Kraftblock's solution both innovative and sustainable.



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