

ENERGY STORAGE SOFTBANK



Why did SoftBank launch SB Energy? Michel Combes, CEO of SoftBank Group International, stated, "SoftBank launched SB Energy to accelerate access to reliable, cost-effective, renewable energy. Combining AI and technology with renewable deployment at scale is critical to the energy transformation and benefits people across the globe."



Will SB Energy install more ESS flow battery systems? SB Energy plans to install additional ESS flow battery systems to complement its expanding portfolio of solar power projects in Texas and California, two of the fastest-growing markets for long-duration storage in the U.S.



What is a long-duration energy storage battery? The company's proposed solution is long-duration energy-storage batteries made of iron, salt and water, which are much cheaper and more readily available than the elements used in batteries today, such as lithium and cobalt.



The U.S. energy storage market interconnected a total of 760.3 MWh last year, SoftBank's bet on Energy Vault's gravity-based technology could spur a funding influx in other energy storage



"Long-duration energy storage is a critical innovation needed to support the world's transition to clean, renewable energy. SB Energy, a wholly owned subsidiary of SoftBank Group Corp., is



This marks the second energy storage investment from Japanese investment firm SoftBank. It made its first foray into the sector this summer with a splashy \$110 million investment in the block-stacking gravity storage startup Energy Vault. Read More. Back to Energy Storage in the

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News

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That 1 gigawatt storage would go a long way toward providing renewable power to the Western U.S. power grid and is going to be based on compressed air energy storage, large flow batteries, solid



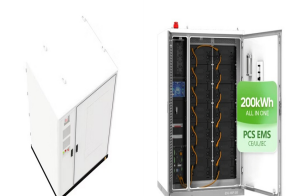
Softbank Group's SB Energy subsidiary is among investors that contributed to a successful US\$30 million Series C funding round for ESS Inc, a US-headquartered manufacturer of iron flow batteries that use a proprietary saltwater electrolyte. ESS Inc emailed Energy-Storage.news yesterday to announce that the sum has been secured in an



350 Wh/kg battery cell and charge-discharge curve. SoftBank and Enpower Japan previously succeeded in the development and verification of all-solid-state batteries with specific energy of 300 Wh/kg by reducing the interface resistance between the cathode and solid electrolyte layer, reducing the weight ratio of the solid electrolyte in the cathode mixture, and ???



Energy Vault, the Swiss-U.S. startup that says it can store and discharge electrical energy through a super-sized concrete-and-steel version of a child's erector set, has landed a \$110 million



SB Energy is a leading utility-scale solar, energy storage, and technology platform backed by SoftBank Group Corp. and funds managed by the Infrastructure and Power strategy of Ares Management

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Swell Energy has raised US\$120 million funding from investors including Softbank Vision Fund 2 towards its 600MWh virtual power plant (VPP) programme across the US. presentations and fireside chats from industry leaders focusing on accelerating the market for energy storage across the country. For more information, go to the website



Financing to accelerate the company's mission to deploy 26,000 energy storage systems in homes and businesses and integrate with Swell's 600MWh of virtual power plants across the US. Softbank Vision Fund 2 and Greenbacker Development Opportunities Fund I, LP led the round; an Ares Infrastructure Opportunities fund and Ontario Power Generation Pension Fund also ???



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Energy Vault, the creator of a new way to perform utility-scale energy storage, announced that SoftBank Vision Fund (Vision Fund) invested \$110 million in its Series B funding round. Energy Vault will use the funds to accelerate global deployment of its technology, which enables renewables to deliver baseload power for less than the cost of

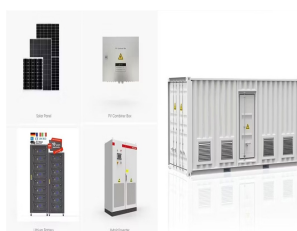


Venture capital group Softbank Ventures Asia appears to have invested in Standard Energy, a South Korea-based startup developing and commercialising a novel vanadium ion battery for stationary storage applications. Softbank Ventures Asia, the VC arm of telecommunications group Softbank, posted a link to a news story from technology website

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SB Energy, a subsidiary of SoftBank Group Corp., is a leading utility scale solar, energy storage, and technology platform. We develop, construct, and own and operate some of the largest and most technically advanced renewable projects across the United States.



This is where gravity energy storage comes in. Proponents of the technology argue that gravity provides a neat solution to the storage problem. SoftBank later re-invested in Energy Vault as



Energy storage company Energy Vault announces a \$110 million dollar investment from Japan's SoftBank Vision Fund. This investment will set the company on the path to accelerating its development



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Our proprietary gravity technology solutions offer long duration energy storage that is efficient and cost-effective, supports grid reliability, and enables renewable energy integration. We innovate with gravity-based solutions that emphasize performance and durability.



About SB Energy. SB Energy, a wholly owned subsidiary of SoftBank Group Corp., is a leading utility-scale solar, energy storage, and technology platform. We develop, construct, and own and operate some of the largest and most technically advanced renewable projects across the

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United States.

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SB Energy, a subsidiary of Japanese conglomerate SoftBank Group, reached an agreement to purchase 2 GWh of iron flow energy storage from Oregon-based ESS ??? a major deal for the emerging technology.



Softbank has invested \$110 million in Energy Vault, a start-up that plans to undercut the cost of battery storage by raising and lowering hundreds of concrete blocks weighing 35 metric tons apiece.



SoftBank to invest \$110m in brick tower energy storage start-up Other similar technologies include the use of excess energy to compress and store air, then release it to turn generator turbines.



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Additionally, existing investors SB Energy (SoftBank Group Corp.), Breakthrough Energy Ventures and BASF Venture Capital have also participated in the PIPE, increasing their existing equity