

SOLAR ENERGY STORAGE CRUX



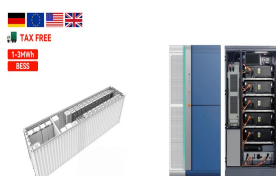
The separate deals for two battery energy storage system (BESS) projects totalling 1,184MWh of energy storage come after Crux" CEO Alfred Johnson told Energy-Storage.news in an interview last week: "There were US\$7-9 billion of transferable tax credit transactions, already one-third the size of the traditional tax equity market. The market



Now, that you are aware of solar energy storage and applications, let's move to the benefits of storing solar power. 4 Advantages of Solar Energy Storage I) Grid Independence: By employing effective solar energy storage solutions, individuals and businesses can reduce their dependence on the traditional grid. This not only ensures a more



The American Clean Power Association (ACP) announced a partnership with sustainable finance technology company Crux to make clean energy tax credit transfers more accessible to the clean energy industry. ACP is an industry association representing over 800 energy storage, wind, utility-scale solar, clean hydrogen and transmission companies.



The global imperative to decarbonize energy systems unleashes a powerful macro trend of renewables growth coupled with soaring demand for grid-scale batteries. Intermittent clean energy sources like wind and solar require energy storage to align supply with demand and ensure grid stability.



Empact currently has 50+ projects and over 4GW of community and utility scale solar, storage, and other projects under contract. "Our mission at Crux is to accelerate the energy transition by making sustainable finance more efficient and interconnecteda??starting with the transferable tax credit market," said Allen Kramer, COO and Co-Founder of Crux.



Solaris Energy, a specialist in financing and development of commercial-scale solar and storage, announced that co-owner Nick Perugini, previously vice president, has been appointed chief executive officer. Alex Blackmer, founder, co-owner and outgoing CEO, will continue

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to play a crucial role as president, focusing on strategic direction and overarching a?|

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On December 14, the IRS published draft guidance for companies seeking to claim tax credits under the new Section 45X advanced manufacturing production tax credit. The guidance clarifies the definitions, credit values, and other applicable details for manufacturers of qualifying solar, wind, battery, and inverter equipment as well as manufacturers of 50 critical a?|



For example, a solar energy project would need to be placed in service prior to earning an eligible credit. Arrange to transfer an eligible tax credit to an unrelated party in exchange for only cash. Provide the transferee (i.e., buyer) with the registration number and all other information necessary to claim the transferred eligible credit.



Crux is changing the way clean energy projects are financed in the United States, starting with transactions for the new transferable clean energy tax credits created by the Inflation Reduction Act (IRA). To date, Crux has facilitated diverse technology transactions across solar, standalone storage, microgrids, bioenergy and renewable



Crux's latest Q3 2024 market update reveals large project tax credit premiums, with significant volumes from energy storage and hybrid solar power plants - and even nuclear power in the mix.



We have launched Crux to accelerate the energy transition through software that lowers financing costs and increases execution speed. Early market participants are expected to include developers with projects for a?|

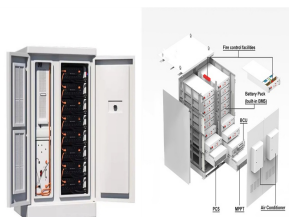


This is partly down to storage projects being more difficult to finance through traditional tax equity than a more predictable solar energy facility. The Crux report, based upon a dataset of over

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Elsewhere, Orsted sold \$680 million in PTCs and ITCs from 550 MW solar and 300 MW storage assets in Arizona and Texas to J.P. Morgan in May and U.S. solar supplier First Solar sold up to \$700



Domestic clean energy manufacturing capacity is booming due to the enactment of a new tax incentive for the manufacture of solar, wind, or battery components, inverters, and critical minerals. Manufacturers of these products are entitled to receive advanced manufacturing production tax credits (AMPTC), 45X tax credits, which can be sold for cash through a a?|



The market for energy and manufacturing tax credits has seen immense growth in 2024, leading to increased competition. Sellers have more choices, so standing out is imperative for tax credit buyers. Crux has identified several ways that buyers can help differentiate themselves and win in a competitive process. Read more



Crux said that by year's end, U.S. clean energy tax credit transactions will total \$20 billion to \$25 billion. The marketplace operator said that established technologies accounted for most of the transactions this year, with wind, utility-scale solar, energy storage, and advanced manufacturing credits accounting for 95% of the reported deals.



Join Wood Mackenzie's expert team of solar and energy storage research analysts and consultants in Denver, CO from 23-24 April 2025 as they engage in powerful conversations with solar and energy storage developers, utilities, a?|

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The new elective safe harbor simplifies the process for certain technology types, including solar photovoltaics, land-based wind, and battery energy storage systems (BESS). In a press release accompanying the notice, the IRS said it plans to issue guidance for other technologies, including offshore wind.



This round brings Crux's total funding to over \$27 million, reaffirming Crux's key role building critical financial infrastructure for the energy transition. Launched in January 2023, Crux is building the platform for sustainable finance, starting with transactions of the new transferable clean energy tax credits created by the Inflation Reduction Act (IRA).



Crux facilitates the sale of solar and storage tax credits for ClearGen, driving even more investment into ClearGen's continued work to drive the energy transition." Crux's inaugural Transferable Tax Credit Market Intelligence Report, released in January 2024, estimated the new transferable tax equity market would reach \$7-9 billion



Crux, a sustainable finance technology company has raised \$18.2 million in Series A funding, bringing its total funding to over \$27 million.. The company was founded in January 2023 by Alfred Johnson, former deputy chief of staff to Secretary Janet Yellen at the U.S. Treasury Department where he was responsible for work related to digital assets, a?



PV Tech has been running PV ModuleTech Conferences since 2017. PV ModuleTech USA, on 17-18 June 2025, will be our fourth PV ModuleTech conference dedicated to the U.S. utility scale solar sector.

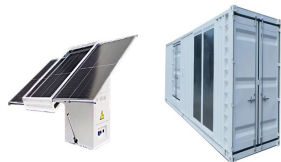


Consider whether you're generating enough electricity that you don't use to make it worth adding energy storage to an existing solar panel system. If you're looking to protect yourself against power cuts with a home battery, not all systems are suitable - ask your installer whether your

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battery will work in a power outage, and for how long.

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NYC Solar + Storage Summit Thursday, June 27, 2024 All
Decarbonization Pathways Run through NYC. CUNY, through the Office of Sustainability and Energy Conservation (Sustainable CUNY), Facilities Planning, Construction and Management, has partnered with the New York Solar Energy Industries Association to host the 15 th NYC a?|



Highlights from Crux's inaugural market report on the state of clean energy tax credit transactions a?? Today, Crux published our inaugural Transferable Tax credit Market Intelligence Report. The report unpacks market sentiment across a diverse range of participants, details trends from completed deals, and shares insight into 2024 market expectations.



Recently, Crux, a sustainable finance technology company, facilitated the sale of solar and storage tax credits for ClearGen, a leading asset financing provider in the energy sector. This partnership allowed ClearGen to realize the value of ITC immediately and reinvest the proceeds into other projects, streamlining the process and maximizing financial returns.



The Crux report draws on figures form the US Energy Information Administration (EIA), which suggest that this year, solar and storage projects will account for 81% of new electricity-generating



NOTE: This blog was originally published in April 2023, it was updated in August 2024 to reflect the latest information. Even the most ardent solar evangelists can agree on one limitation solar panels have: they only produce electricity when a?|



Schneider Electric is collaborating with Crux to procure Section 45X Advanced Manufacturing Production Tax Credits from Silfab Solar, allowing Silfab to expand its domestic manufacturing capabilities.

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Sometimes two is better than one. Coupling solar energy and storage technologies is one such case. The reason: Solar energy is not always produced at the time energy is needed most. Peak power usage often occurs on summer afternoons and evenings, when solar energy generation is falling. Temperatures can be hottest during these times, and people