

SolarTech Power Solutions

Malta Battery Energy Storage Project



Overview

The battery energy storage system (BESS) to be set up at Delimara and Marsa will store energy generated from renewable sources, to be used when the demand for electricity is high, especially during the summer months. What is Malta's electro-thermal energy storage system?

Malta's electro-thermal energy storage system is built upon well-established principles in thermodynamics. Malta's electro-thermal energy storage system is built with abundant, field-proven components that are fully recyclable and reclaimable. Molten salt is the most mature technology used in thermal storage.

What is the Malta PHES energy storage system?

The Malta PHES energy storage system is built upon well-established principles in thermodynamics and uses conventional components that have been present in power plants for hundreds of years. Electricity from the grid is used to heat molten salt and cool a chilled liquid. In these forms, energy can be efficiently stored for long durations.

Does Malta have a long-duration energy storage solution?

Malta has developed a long-duration energy storage solution that leverages steam-based heat pump technology to provide a cost-efficient, flexible, and integration-ready option for utility and industrial clients.

What is interconnect Malta doing?

Interconnect Malta is also working on the Battery Energy Storage Systems (BESS) Project, a grid-scale electricity storage system that is being planned as an important contribution to the attainment of Malta's decarbonisation commitments, in line with the EU's Green Deal objectives.

Why is Enemalta implementing a €90 million reinforcement programme?

During the visit, Enemalta management explained how the company is

implementing a €90 million reinforcement programme to improve network resilience while providing additional capacity to meet the requirements of the country's growing investment in grid-connected renewables.

Why is energy storage important?

Malta CEO Ramya Swaminathan joins Azeem Azhar to discuss why energy storage is so crucial to fighting climate change, how it could affect the economics of energy, and why the electric grid of the future will be more technologically diverse and complex than today's.

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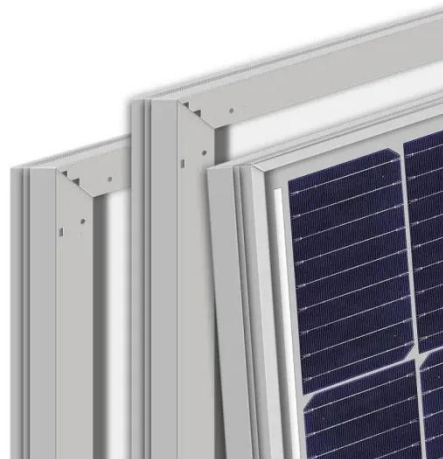


PRESS RELEASE BY THE MINISTRY FOR THE ENVIRONMENT, ENERGY ...

May 17, 2023 · Network upgrades and new interconnections will consolidate Malta's renewable energy plans. Malta's commitment to electricity network reinforcements and its plans to ...

InterConnect Malta Launches Tenders for Battery Energy Storage ...

Dec 5, 2024 · InterConnect Malta has officially launched tenders for the design and construction of two large-scale Battery Energy Storage Systems (BESS). This initiative is a significant step ...



Sample Order
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BBVA and Malta Iberia Sign an Agreement

Jun 16, 2025 · BBVA and Malta Iberia PHES SL, the Spanish subsidiary of climate tech company Malta Inc. ("Malta"), have signed a key agreement for the development of a commercial ...

Utility Scale Battery Energy Storage Systems

Jul 17, 2024 · "Utility-scale battery storage is a game changer for the electric grid. It provides the flexibility and resilience needed to accommodate increasing amounts of renewable energy, ...



BBVA supports Malta Inc.'s long-duration thermal energy storage ...

Jun 19, 2025 · Announced on Monday (16 June), the agreement establishes a revenue structure for the 14MW long-duration energy storage (LDES) project. It will be based on a technology ...

EUR47 million PV power batteries project opens to bidders

Nov 30, 2024 · A project to build two massive battery storage systems that can capture electricity generated from renewable energy sources is now open to bidders. The battery energy storage ...





Plans for further renewables, interconnections and battery energy

May 17, 2023 · Network upgrades and new interconnections will consolidate Malta's renewable energy plans Malta's commitment to electricity network reinforcements and its plans to ...

Gates, Bezos Among Billionaires Backing Alphabet Molten Salt Energy

Dec 19, 2018 · Alphabet Inc.'s secretive X moonshot lab is spinning off an energy-storage project with backing from billionaires including Jeff Bezos and Bill Gates. Malta Inc., the newly ...



InterConnect Malta announces launch of tenders for the ...

Nov 29, 2024 · InterConnect Malta has announced the launch of tenders for the design and construction of two large-scale Battery Energy Storage Systems (BESS). This initiative ...

Long-duration 'pumped heat energy storage' startup Malta raises ...

Mar 1, 2021 · Malta Inc, developer of a grid-scale electro-thermal energy storage technology, has closed a Series B funding round, raising US\$50 million from investors that include Facebook ...



Profiling Malta's molten salt energy storage ...

Jun 21, 2019 · In a bid to improve the global energy storage market, Malta has designed a technique using molten salt which it claims could help grids around ...



PROJECT DESCRIPTION STATEMENT

Apr 10, 2024 · This document is being compiled by Interconnect Malta Co. Ltd. (the Applicant) being the organisation tasked with implementing the Battery Energy Storage System within the ...



Malta and Bechtel join forces to speed rollout of long-duration energy



Dec 1, 2021 · With its grid-scale solutions that can store energy up to 50x longer than typical battery technology, Malta is enabling renewable energy to be used more efficiently and ...

Malta Inc. launches Spanish thermal energy storage pilot site

Jun 17, 2025 · Massachusetts-based thermal energy storage company Malta Inc. on Monday signed an agreement to develop a 14 MWh commercial-scale demonstration plant for its ...

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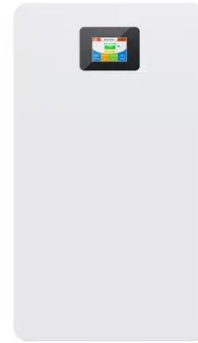
16 offers made for development of Malta's first large-scale

Apr 21, 2025 · The government has received 16 offers for the development of Malta's first large-scale utility battery energy storage systems, Minister for the Environment, Energy and Public ...

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Apr 21, 2025 · The government has received 16 offers for the development of Malta's first large-scale utility battery energy storage systems, Minister for the ...



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