



# Australia Photovoltaic Energy Storage Container DC Cooperation





## Overview

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This hybrid renewable energy facility, which will feature 243 MWp of photovoltaics DC-coupled with a 2.4-hour of advanced Lithium Iron Phosphate (LFP) Battery Energy Storage System (BESS) capacity, is being developed in New South Wales, Australia, and is set to come into operation.

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This is the first DC-coupled solar-plus-storage hybrid project being developed in eastern Australia. This hybrid system will comprise 243 MWp of installed PV power co-located with a 172 MW/2.4h battery energy storage system (BESS). Combining solar power generation with energy storage means this.

Ingeteam has been selected as the technology supplier for a 243 MWp photovoltaic project with 172 MW/2.4 hours of renewable energy. Spanish supplier Ingeteam has been selected as the technology provider for the Maryvale Solar and Energy Storage hybrid project, now under construction in Australia.

Spanish inverter manufacturer Ingeteam has expanded its footprint in Australia, announcing it will supply the 243MWp Maryvale Solar and Energy Storage Project in New South Wales. The company will supply 32 power stations for the project, including 61 central PV inverters and 488 units of 430kW.

Technology group Wärtsilä will supply a 64 MW / 128 MWh energy storage system for Octopus Australia's Fulham Solar Battery Hybrid project. The Fulham project secured Generator Performance Standards (GPS) approval in June 2024 and is one of the first large-scale DC-coupled hybrid battery systems in.

This hybrid system will comprise 243 MWp of installed PV power co-located with a 172 MW/2.4h battery energy storage system (BESS). Combining solar power generation with energy storage means this installation will produce more than 520 GWh of clean, reliable, firm energy annually, enough to power.

Gentari has issued a notice to proceed, prompting PCL Solar to begin the



engineering, procurement and construction (EPC) works for the 243MWp Maryvale solar co-located with a 172MW/2.4-hour battery energy storage system (BESS) in New South Wales, Australia. Ingeteam has agreed with Gentari to. What is Australia's New solar power project?

The project, which pairs the 128 MWh DC-coupled battery with an 80 MW AC solar farm, marks a significant step in Australia's transition to co-located hybrid renewable energy and storage solutions.

How many solar projects does ingetteam provide in Australia?

Ingeteam has been present in Australia for 12 years, during which time it has supplied over 4 GW and over 40 projects of solar PV / BESS projects to the country. The Maryvale Solar and Energy Storage Project is expected to begin operating in Q2 2027, with an estimated annual energy production of over 520 GWh.

What is a DC-coupled solar-plus-storage system?

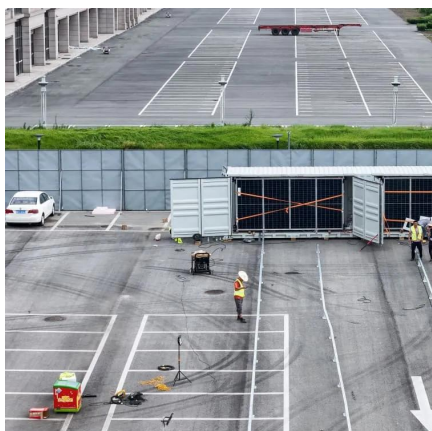
DC-coupled solar-plus-storage systems offer a streamlined approach to energy management. By allowing solar generation to flow directly to the battery through a DC/DC converter, this architecture minimises conversion losses when integrating energy storage with solar assets.

What is a DC-coupled Solar System?

While AC has been the grid standard for over a century, the rise of DC-based renewable energy technologies is challenging this norm. DC-coupled systems allow solar energy to be delivered directly to the battery for storage, bypassing the energy losses and complexities associated with multiple conversions in AC-coupled systems.



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### [Wärtsilä to deliver DC-coupled storage in Australia](#)

The project, which pairs the DC-coupled battery with an 80 MW AC solar farm, marks a significant step in Australia's transition to co ...

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### **Wärtsilä will deliver one of Australia's first DC-coupled energy**

The project, which pairs the 128 MWh DC-coupled battery with an 80 MW AC solar farm, marks a significant step in Australia's transition to co-located hybrid renewable energy ...

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### **Australia's First Large-Scale DC-Coupled Solar and Battery ...**

We are excited to work together on one of the first DC-coupled large-scale energy storage systems in Australia." The project's completion, slated for 2027, will mark a significant ...

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### **Ingeteam to supply DC-coupled solar+storage project in Australia**

Spanish supplier Ingeteam has been selected as the technology provider for the Maryvale Solar and Energy Storage hybrid project, now under construction in Australia.



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### [Wärtsilä to deliver DC-coupled storage in Australia](#)

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### **Ingeteam contributing to Australia's decarbonisation with a DC ...**

Ingeteam is making a significant contribution to Australia's decarbonisation process. The company will contribute its technology to the development of the Maryvale Solar and ...

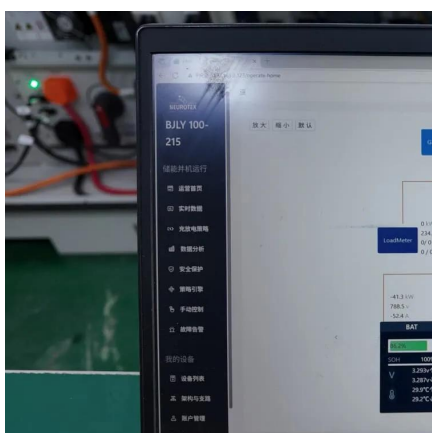
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### **Ingeteam Powers Eastern Australia's First DC-Coupled Solar ...**

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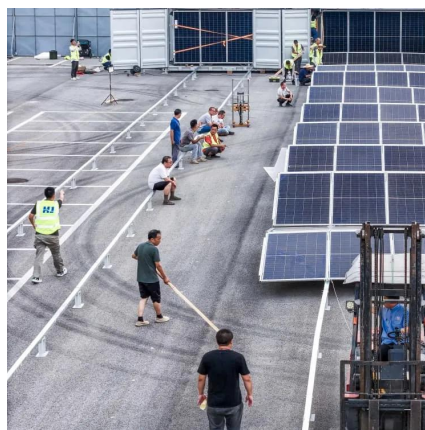
### **Ingeteam to supply DC-coupled solar-**



## plus-storage site in Australia

Ana Goyén, Ingeteam's solar PV and BESS director, described the project as eastern Australia's first DC-coupled solar and storage hybrid project, highlighting its potential ...

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## Wärtsilä to provide DC-coupled



## energy storage system in Australia

Wärtsilä is set to book the order in the fourth quarter of 2025. The hybrid battery system architecture integrates solar generation with battery storage through a DC/DC ...

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## Ingeteam contributing to Australia's decarbonisation with a DC ...

Ingeteam's solution combines central solar inverters with modular DC-DC storage inverters, maximising energy availability through rack-level battery management.

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## [Ingeteam to Power Australia's First DC-Coupled Solar + Storage](#)

Ingeteam has agreed with Gentari to support what is described as eastern Australia's first DC-coupled solar-plus-storage hybrid facility. As part of the collaboration, ...

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## [Wärtsilä will deliver one of Australia's first DC ...](#)

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