

Philippines Cebu Photovoltaic Energy Storage Project



Overview

What is the Philippines' first megawatt-scale floating solar facility?

The Philippines' first megawatt-scale floating solar facility in Cebu as seen in a August 2025 handout image. MANILA, Philippines — A floating solar power plant on a reservoir in Cebu has begun supplying energy to a copper mine, marking the country's first megawatt-scale deployment of the emerging technology.

How will a solar power plant help the Philippines?

The 187-hectare solar power plant, which is a kilometer away from Talisay substation of the National Grid Corporation of the Philippines, will generate around 280 gigawatt-hours of clean energy annually that can serve 300,000 people. The project will also cut 259,000 tons of carbon dioxide emission annually.

Will Daanbantayan solar plant reduce electricity costs in Cebu?

With a committed investment of Php7.5 billion (approximately USD130 million), the Daanbantayan Solar Plant is expected to significantly reduce electricity costs in Cebu.

What is a floating solar project in the Philippines?

In a news release, Carmen Copper noted that the project, which can scale up to 50 megawatts, is part of its strategy to reduce its dependence on fossil fuels and aligns with the Philippine Department of Energy's target of sourcing 35% of power from renewable energy by 2030. Why floating solar?

How will Power be distributed in Cebu?

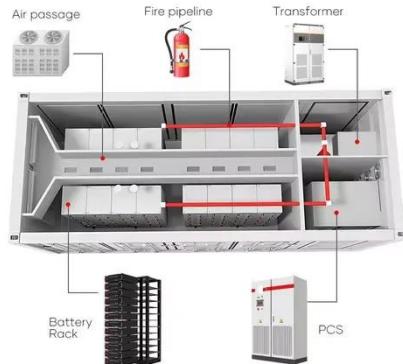
The initial power output will be distributed through private Power Purchase Agreements (PPAs) with CEBECO II, the electricity cooperative operating in the

province of Cebu, and any excess energy will be sold at the annual green auction hosted by the Department of Energy (DOE).

What is Daanbantayan solar power project?

The Daanbantayan Solar Power Project, located in the Municipality of Daanbantayan, at the northern tip of the Island of Cebu, involves an investment of around USD 130 million, and it will create a significant amount of direct and indirect jobs during its construction and operational phases.

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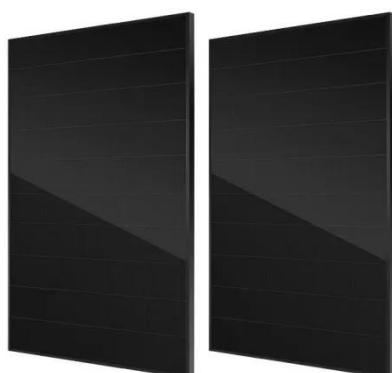
P7.5-B solar project under green lane in Cebu ...

Mar 20, 2025 · MANILA - The PHP7.5-billion Daanbantayan Solar Power Plant broke ground this week after its documentary requirements were fast-tracked ...

PetroGreen eyes 98-MW solar and 20-MW ...

Apr 25, 2025 · PetroGreen Energy Corporation (PGEC), the renewable energy arm of PetroEnergy Resources Corporation (PERC), plans to roll out a 98

...



Prime Infra renewables unit to build the world's ...

Jun 8, 2022 · Manila, Philippines - Prime Infrastructure Holdings, Inc. (Prime Infra), the critical infrastructure arm of Enrique K. Razon, Jr., embarks to ...

SMCGPH and Fluence's First Battery Project of ...

Jan 27, 2022 · Fluence and SMC Global Power Holdings Corp. announced that their first battery-based energy storage system in the 470 MW portfolio began ...



Meralco power generation arm announces second grid-scale BESS project

Jul 22, 2025 · The power generation arm of the Philippines' largest private electric distribution provider, Manila Electric Company (Meralco), is developing its second large-scale battery ...

ACCIONA Energía's solar project in Cebú, awarded 'Green ...

Aug 7, 2024 · ACCIONA Energía has announced today that it has been awarded the 'green lane' status by the Board of Investments (BOI) in the Philippines for the Daanbantayan Photovoltaic ...



Daanbantayan moves to renewable energy

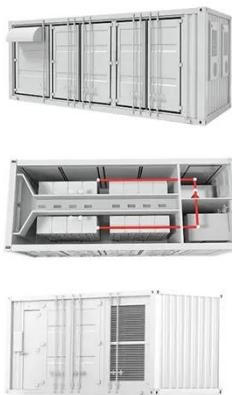
Mar 16, 2025 · PUBLIC and private stakeholders led the groundbreaking



ceremony for the construction of a 150-megawatt solar power farm in ...

MGEN to Build 49MW Battery Energy Storage Facility in Cebu

Jul 21, 2025 · Pasig City, Philippines -- 21 July 2025 - Meralco PowerGen Corporation (MGEN) is set to develop a 49-megawatt (MW) Battery Energy Storage System (BESS) in Toledo, ...



Construction of 150-MW solar power plant commences in Cebu

Mar 18, 2025 · CEBU CITY - A 150-megawatt solar power plant will soon rise in the northern tip of Cebu province. CEBU Gov. Gwen Garcia (center) leads the groundbreaking for the 150 ...

Philippines' First Floating Solar Power Station Connected to ...

Aug 19, 2025 · Recently, the energy sector in the Philippines achieved a major breakthrough as the

4.99-megawatt floating solar power station at the Malubog Reservoir in Toledo City, Cebu, ...



Philippines' first floating solar power plant begins operations in Cebu

Aug 8, 2025 · United States-based engineering and construction firm Black & Veatch said it completed a 4.99-megawatt floating solar photovoltaic facility for Carmen Copper Corp. on the ...

Cebu Zhongshiye Energy Storage Equipment Project in the Philippines

What is the Philippines' first solar-plus-storage hybrid? The Philippines' first large-scale solar-plus-storage hybrid (pictured), was commissioned in early 2022. Image: ACEN. The Philippines ...



ACCIONA EnergíA's Solar Project in Philippines Gains

Aug 10, 2024 · The initial power output from the solar project will be distributed



through private power purchase agreements. Credit: ACCIONA Energía. Spanish renewables developer ...

Scale of photovoltaic energy storage field in Cebu Philippines

A 60 MW solar PV plant in the city of Toledo, the largest solar project to be financially underpinned by the Development Bank of the Philippines, has begun dispatching electricity to ...



BOI: GREEN LANE-REGISTERED PHP7.5-B SOLAR ...

Mar 22, 2025 · Spanning a 187-hectare site across 45 lots, the facility is positioned to optimize power distribution and efficiency, further bolstering the ...

Alaminos Energy Storage , Battery storage in ...

3 days ago · Alaminos Energy Storage aims to help enhancing the grid's stability and reliability by storing power when demand is low and feeding it back

into ...



P7.5-B solar project under green lane in Cebu ...

Mar 20, 2025 · ENERGY PPP. Cebu Governor Gwendolyn Garcia leads the groundbreaking ceremony of Acciona Energia Global's Daanbantayan Solar ...

Aboitiz Power begins construction of 30MW BESS at thermal plant in Cebu

Jul 18, 2025 · Integrated energy utility Aboitiz Power has kicked off a 30MW hybrid battery energy storage system (BESS) project in the Philippines. The company said on Wednesday (16 July) ...



Techno-economic Analysis of a Grid-tied Rooftop Solar ...

Apr 4, 2024 · In the same year, the study of Eze et al. (2022) on a grid, solar PV, wind, diesel, battery, and inverter

system for the University of Nairobi, Kenya resulted in a lower LCOE of ...



DOE awards contracts to Blueleaf Energy and ...

May 10, 2023 · Blueleaf Energy has secured contracts from the Philippine government to build and operate the world's largest floating solar project.



Philippines' First Megawatt-Scale Floating Solar Plant ...

1 day ago · HEFEI, China, Aug. 25, 2025 /PRNewswire/ -- In active response to the Philippines' energy transition strategy, Black & Veatch, a global leader in energy and infrastructure, has ...

ACCIONA Energía celebrates groundbreaking ...

Mar 16, 2025 · ACCIONA Energía held yesterday the groundbreaking ceremony for the Daanbantayan solar plant (176MWp) on the island of Cebu, the ...



Microgrid Technology & Battery Storage in the Philippines , STAR ENERGY

Aug 15, 2025 · This configuration is particularly useful for off-grid islands vulnerable to typhoons, such as those in the Philippines. Gilutongan Island, Cebu: This project implemented a hybrid ...

DOE welcomes the activation of Cebu and Bohol ...

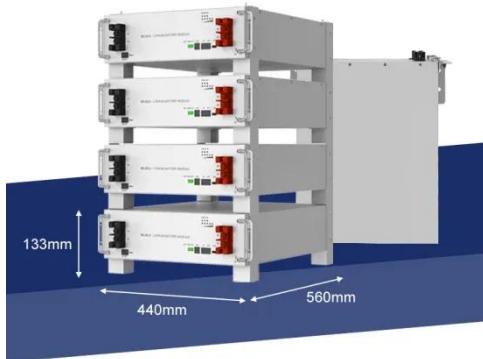
Jul 17, 2024 · The Department of Energy (DOE) is welcoming the activation of the Dumanjug-Corella 230 kilovolt (kV) Line 1 and Dumanjug 70 megavolt ...



Home , Solar Panels , Transition to Solar Energy ...

Aug 19, 2025 · Maintenance Ongoing Operation & Maintenance in Cebu! We're currently conducting IV Curve Testing on

PV modules to ensure peak ...



ACEN powers up country's first hybrid solar and ...

Aug 19, 2025 · 21 February 2022 - ACEN, the listed energy platform of the Ayala Group, has switched on the Philippines' first hybrid solar and energy storage ...



BOI: GREEN LANE-REGISTERED PHP7.5-B SOLAR ...

Mar 22, 2025 · DAANBANTAYAN, CEBU--Fast-tracked under the Board of Investments (BOI) Green Lane Program, the 150-megawatt (MW) ...

Philippines issues contracts for microgrids in ...

Apr 4, 2024 · The Philippines Department of Energy (DOE) has awarded contracts for eight microgrids in unserved areas, including hybrid systems with ...



Photovoltaic Solar Energy News in Philippines

5/20/2025 - GoodWe, a global leader in solar inverter and energy storage solutions, recently hosted an electrifying solar energy roadshow in Cebu, Philippines, joining hands with its ...

China Energy Alliance Signs EPC Contract for ...

Nov 28, 2024 · On November 18, a consortium comprising China Energy International Engineering (Energy China) and the Guangdong Electric Power ...



Performance Evaluation of an Existing ...

Jan 25, 2024 · This paper looks at the reliability of a solar project installed on two rooftops on an off-grid island in Cebu, Philippines, that provides

increased ...



Acciona Breaks Ground on 176MWp Solar Plant in Philippines

Apr 3, 2025 · Acciona Energia launches its first Philippine solar plant, a EUR120M project in Cebu, set to power 300,000 homes by 2026, boosting renewable energy goals. Acciona Energia has ...



Acciona Breaks Ground on 176MWp Solar Plant in Philippines

Apr 3, 2025 · Acciona Energia has commenced construction on the 176MWp Daanbantayan solar plant in Cebu, Philippines, with operations expected to begin in late 2026. The EUR120 million ...

Philippine Energy Meralco launches energy storage project ...

Aug 8, 2025 · Meralco PowerGen Corporation, a subsidiary of Manila Electric Company, the largest private

power company in the Philippines, recently announced that it will develop and ...



GoodWe Ignites Solar Momentum in the Philippines with Dynamic Cebu

GoodWe, a global leader in solar inverters and energy storage solutions, recently energized the renewable energy landscape in Cebu, Philippines, through an impactful solar energy ...

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