



# Solar power battery station Brunei

What are the major solar installations in Brunei?

Major active solar installations in Brunei include the country's first, Tenaga Suria Brunei, launched in 2010 with a capacity of 1.2 MWp, and Brunei Shell Petroleum's 3.3 MWp solar plant, launched in 2021 to supply power to its headquarters. Both plants have plans for further expansion.

How will solar power benefit Brunei?

The solar power generated is equivalent to the electricity consumption of approximately 600 households per year and will offset some of the power used by the BSP Head Office. On a national level, the power generated will contribute towards Brunei's target of producing 100MWp renewable energy by 2025.

Where is BSP's flagship solar PV plant located in Brunei?

BSP's Flagship Solar PV Plant, located at G11 along Jalan Tengah, Seria is the second solar plant in Brunei, featuring the latest technology in solar panels. The construction of the plant took over seven months, where almost 7,000 solar panels were installed on the four hectares of land. The 3.3MWp plant produced its first power on 30th March 2021.

Who owns the solar plant in Brunei?

The solar plant in Brunei is currently operated and maintained by BSP. Agnete Johnsgaard-Lewis, BSP Managing Director and Shell Country Chair in Brunei, shared this information.

What is the electricity sector in Brunei?

Power lines along the Kuala Belait Highway in 2023. The electricity sector in Brunei ranges from generation, transmission, distribution and sales of electricity in Brunei. Electricity sector in Brunei is regulated by the Department of Electrical Services (DES; Malay: Jabatan Perkhidmatan Elektrik) under the Ministry of Energy.

Does Brunei have a sustainable future?

Brunei is targeting 30% renewable energy in total power generation mix by 2035, with 200 MWp of solar energy by 2025. The launch event also saw the release of Hengyi's 2023 ESG Report, which highlights their progress in environmental sustainability, social responsibility, and governance.

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Solar panels were installed at the Seria Power Station in 2010, kickstarting Brunei's aspiration to cut down the use of fossil fuels to generate electricity. However, Brunei still depends on fossil fuels for its energy needs.



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BPC proudly announce the commencement of the 1st solar PV system project to be made live in December 2020. The in-house pilot project highlights BPC's first endeavour to support the Brunei Government's 2035 vision of achieving a ...

1.5. Current Power Sector Profile About 98% of the electricity supplied in Brunei comes from natural gas, with a remaining 1% collectively coming from diesel and solar PV. The Department of Electrical Services (DES) - which owns four natural gas power stations (Gadong 1A, Gadong 2, Bukit Panggal, and Lumut) and a

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initiatives support Wawasan Brunei 2035 - by increasing the number of trees grown in urban areas. For every solar panel install contract, 72Co. is dedicated to growing up to 7 trees. According to Weatherspark, the average temperatures ...

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Hengyi Industries yesterday launched their solar project at Pulau Muara Besar (PMB), which is set to become the largest in Brunei upon the completion of its first phase in April 2025. Hengyi's Project Sustainable Integration of Natural and Renewable Energy (Project SINAR) will see its pilot phase generating up to 38 megawatts peak (MWp).

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In April 2021, Brunei Shell Petroleum (BSP) launched a 3.3 MW solar plant in Panagia to power its Seria headquarters. Consisting of 7,000 solar panels over 4 hectares of land, the grid-connected solar power park is the second solar park in Brunei after the Tenaga Suria Brunei solar plant, which began operations in 2010.

The Tenaga Suria Brunei Photovoltaic Power Generation Demonstration Project plant is an on-grid 1.2



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megawatt (MW) solar photovoltaic (PV) power plant commissioned in 2010 as a part of a joint project between the Government of His Majesty the Sultan and Yang Di-Pertuan of Brunei Darussalam and Mitsubishi Corporation, Japan.

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For a 4.5 kWp solar power system and with array yield of about 4 to 4.5 hours per day in Brunei, such system can produce approximately between 131,400 to 147,825 kWh of energy over their lifespan (4.5 kWp x 4 or 4.5 hours x 365 days x 20 years).

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The BSP Energy Transition team was established to lead the country's decarbonization process and promote low-carbon solutions. As a result, Brunei's second solar power plant, the 3.3 MW BSP Flagship Solar PV



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plant, was completed in 2021. This plant has almost 7,000 solar panels and can generate power for approximately 600 homes.

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Visit to Tenaga Suria Brunei. The Department welcomes any interested visitors to tour the Tenaga Suria Brunei, the first and currently the only On-Grid Solar Photovoltaic (PV) Power Plant in Brunei Darussalam. How to Register. Step 1 Submit completed registration form to [renewable.energy@energy.gov.bn](mailto:renewable.energy@energy.gov.bn). Step 2

Brunei's power stations generate electricity primarily through natural gas and oil sources, with natural gas accounting for around 95-99% of the country's total installed capacity. However, the country has also established goals and initiatives to incorporate more renewable energy sources into its energy mix.

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