



# Brunei solar space company

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.

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 3.3 MWp plant produced its first power on 30th March 2021.

Are solar panels legal in Brunei?

At the moment, there is no regulatory governing the installation of solar panel in Brunei. Companies follow international standards for solar PV systems that convert solar energy into electrical energy, as well as for all the elements in the entire system.

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 100 MWp renewable energy by 2025.

How much energy can a solar power system produce in Brunei?

For a 10 kW solar power system and capacity factor of 13% (for Brunei), such system can produce approximately 227,760 kWh of energy over their lifespan ( $10 \times 13\% \times 24\text{h} \times 365 \text{ days} \times 20 \text{ years}$ ). As Brunei uses block electric tariff, electricity tariff of BN\$0.06 per kWh will be used in calculation.

Is solar energy cheaper in Brunei?

Cabling and trenching works can be very costly due to the installation and maintenance process. Hence, for landscaping and outdoor lightings, solar is the cheaper and more convenient option. How can I maximize solar energy production in Brunei?

Construction for Brunei Shell Petroleum's (BSP) solar plant is officially underway after a groundbreaking ceremony at the G11 site on Jalan Tengah, Seria. The 3.3 MWp utility-scale solar PV plant, which will see the installation of about 7,000 solar panels, is another milestone in BSP.

The in-house pilot project highlights BPC's first endeavour to support the Brunei Government's 2035 vision of achieving a substantial contribution by renewable energy sources to Brunei's energy demand.



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The inauguration of the BSP Flagship Solar PV plant signifies BSP's strong commitment to pursue energy diversification and decarbonisation, and in support of the country's target of increasing the total share of renewable energy to at least 30% of total power generation capacity by 2035.

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This first successful project demonstrates the technical and economic viability of solar power in Brunei's context, paving the way for further development in the clean energy sector and signifying a positive start in reducing reliance on fossil fuels.

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World's second-largest solar plant goes online in China: Courtesy of Shena.gov.bn : 30-Nov-24: BPS-Article-407: Sunlit unveils bidirectional inverter for PV carports, balcony solar: Courtesy of Shena.gov.bn : 30-Nov-24: BPS-Article-406: Onyx Solar launches walkable PV tiles: Courtesy of Shena.gov.bn : 30-Nov-24: BPS-Article-405

We provide consultation, design, procurement and installation services for solar photovoltaic systems and lightings. Our client includes the government of Brunei Darussalam, private companies and individuals (home owners).



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