



# High quality solar power unit in New-Zealand

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**What is solar energy in New Zealand?**

Learn about solar energy in New Zealand, and its advantages and limitations. In October 2022, Electricity Authority data showed 43,641 solar systems installed across New Zealand, adding up to 240 MW. This makes up an estimated contribution of under 1% of total electricity consumption.

**Which solar power systems are most commonly installed in New Zealand?**

This comprehensive guide aims to demystify the key solar power systems commonly installed in New Zealand - off-grid, grid-tie, and hybrid/grid-tie with energy storage (ESS)- the energy storage system is almost always battery.

**What is New Zealand's First Solar PV project?**

New Zealand renewables developer Lodestone Energy has started constructing its first solar PV project on the country's South Island, with a total generation capacity of 27.7MW. Located in South Canterbury, the Clandeboye solar PV power plant will supply clean energy to the milk processing and irrigation industries in the area.

**Why is solar power important to New Zealand?**

Solar power is increasingly important to New Zealand as it provides a low-cost clean, renewable energy source. However, intermittent generation like solar and wind must be accurately forecast to allow the electricity system to coordinate itself efficiently.

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