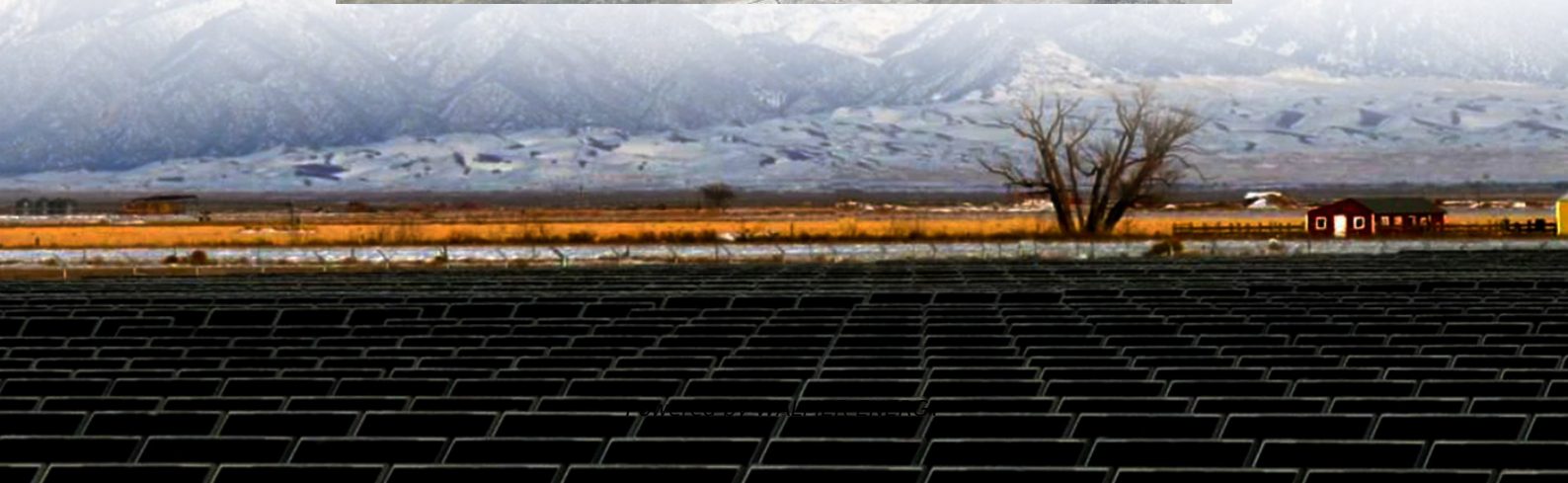


New Zealand Solar Containerized Fixed Type Purchasing Guide





Overview

Is solar PV a viable energy solution for New Zealanders?

As solar technology advances and battery storage becomes more affordable, more New Zealanders are considering solar PV as part of their energy solution. A solar PV system can operate on its own, supplying power directly to a home or business. However, many systems are also connected to the wider electricity network.

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 are the different types of solar systems in New Zealand?

Off-grid systems typically require a larger array of solar panels, higher capacity battery storage and a back-up generator to ensure a continuous, reliable power supply. Grid-Tie Systems – Grid-tie solar systems, which are connected to the public electricity grid, are the most common solar installation in New Zealand.

Should you export solar power to NZ?

Regardless of type, most solar systems in NZ are designed to prioritise self-consumption of solar power over exporting to the grid. This is because NZ power companies offer relatively low buy-back rates for solar exports and also often limit the amount you can export.



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Standard Number: DZ 8156

Apr 8, 2025 · Technical Advisory Group representation This specification was prepared by the P4790 - Solar PV and battery storage systems Technical Advisory Group. The membership of ...

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