

ContainerPower Energy Solutions

Solar power generation and energy storage prices in New Zealand



Overview

Solar power systems can be divided based on their nameplate capacity and their obligations under the Electricity Industry Participation Code. • Small distributed systems are up to and including 10 kW. • Large distributed systems are between 10 kW and 1000 kW.

How much does a solar battery cost in New Zealand?

The lowest price paid was \$8,000 for a 6 kWh battery, which implies that smaller systems can be more accessible for those on a budget. The best value was \$9,000 for a 9.6 kWh battery, equating to \$937.50 per kWh. Indicating the batteries below \$1000/kWh can be hunted down in the NZ market. What's Next for Solar Prices in 2025?

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How many solar power systems are there in New Zealand?

In 2024, 601 gigawatt-hours of electricity was estimated to have been generated by grid-connected solar, 1.4% of all electricity generated in the country. As of the end of November 2024, 67,000 solar power systems had been installed in New Zealand.

How much does a PV system cost in New Zealand?

In 2009, the average turnkey price for a standard 3-kilowatt (kW) PV system was about NZ\$40,000; by 2024 the average residential system size had increased to 7 kW while the average cost had fallen to NZ\$16,500.

How much does a solar power system cost?

Average Price For A Solar Power System: The typical solar power system size from our dataset was a 7kW, the average cost for this system size was \$16,492. Battery Systems Prices: The average battery cost is \$1,249.79 per kWh, with smaller systems offering affordability and larger systems offering better value per kWh.

Are there subsidies for small-scale solar in New Zealand?

Although there are no subsidies for small-scale solar in New Zealand, the declining costs of photovoltaic have driven strong growth in household installations in recent years.

Is solar PV a viable option for New Zealand households?

This is the first study in New Zealand to use detailed and high-quality data for both solar supply and residential demand. It shows solar PV is likely to be financially viable for a significant proportion of New Zealand households, particularly for those who consume a lot of energy.

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