



6 6kw solar system cost australia

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Australia has become a global leader in solar energy adoption, with more homeowners opting for solar power each year. Among the various system sizes available, the 6.6kW solar system is one of the most popular. It strikes the right balance between cost, efficiency, and energy production, making it an excellent choice for many Australian households. In this guide, we'll explore everything you need to know about 6.6kW solar systems, including their cost, financial benefits, and environmental impact.

A 6.6kW solar system typically includes 20 to 24 solar panels, depending on their wattage. Each panel usually ranges between 275W and 370W. The system might have 20x330W panels, or 24x275W panels - in either case, it's a 6600W (6.6kW) system and that's the number that really matters.

This system size is ideal for medium to large households, generating enough energy to meet daily electricity needs. On average, a 6.6kW system produces between 24 to 27 kWh of electricity per day. However, actual output can vary based on factors like panel efficiency, location, and weather conditions.

Most 6.6kW solar systems in Australia come with a high-quality inverter. The inverter converts the direct current (DC) produced by the solar panels into alternating current (AC) used by household appliances. Many Australian homeowners choose a 6.6kW system because it maximises the benefits offered by government incentives under the Small-scale Renewable Energy Scheme (SRES).

A 6.6kW solar power system will require about 32-35 square metres of suitable rooftop space, based on each panel measuring approximately 1.8 metres by 1.1 metres.

The cost of a 6.6kW solar system in Australia can vary depending on several factors, including the quality of the solar panels, the brand of the inverter, and the complexity of the installation. On average, you can expect to pay between \$5,000 and \$9,000 for a fully installed system. While the initial cost might seem high, the long-term savings on electricity bills make it a worthwhile investment.

Many homeowners find that the system pays for itself within three to five years. Additionally, several financing options are available to help spread the cost over time, making it more affordable. Green loans, payment plans, and other financial incentives make solar power more accessible to Australian households. Furthermore, solar power can increase your property's value, offering even more financial benefits in the long run.

The ideal battery size for a 6.6kW solar system in Australia varies based on your energy usage. For low to medium users, a battery with a capacity of 10 to 13.5 kWh typically provides enough storage for excess solar energy. This allows you to maximise self-consumption and minimise dependence on the grid.



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Investing in a 6.6kW solar system can significantly reduce your electricity bills. Depending on your household's energy consumption and the efficiency of your system, you could save up to \$1,500 per year. Over the lifespan of the system, these savings can amount to tens of thousands of dollars.

In addition to reducing energy costs, a 6.6kW solar system can generate income through feed-in tariffs (FiTs). Many Australian states and territories offer FiTs that pay homeowners for the excess energy their solar systems produce and send back to the grid. This feature helps you recoup your initial investment faster and provides a steady income stream over time.

Switching to solar power is not only financially beneficial but also environmentally responsible. A 6.6kW solar system reduces your reliance on fossil fuels, which are a major source of greenhouse gas emissions. On average, a 6.6kW system can offset around 6 to 7 tons of carbon dioxide per year. This reduction is equivalent to planting approximately 100 trees annually.

Solar energy also reduces the strain on Australia's national power grid, especially during peak usage times. By generating your own electricity, you contribute to a more sustainable and resilient energy system. Moreover, as more Australians adopt solar power, the country moves closer to its renewable energy targets, helping to combat climate change.

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