



# Solar system 3 kw price

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Did you know that you can save money and make your home more energy efficient by installing a 3kW solar panel system? These solar PV systems are ideal for medium-sized homes of 2-3 people, or smaller homes with larger energy consumption. If you are looking for solar panel systems for slightly bigger households, check out our 4kW solar system, 5kW solar system and 6kW solar system in the UK guides.

If you are interested in a 3kW solar panel system, fill in our 1-minute form and get up to 3 non-binding quotes free of charge, so that you are able to choose the solution that the best fits your budget and expectations.

On average, you could expect to pay is £4,500 - £5,500 for your 3kW solar panels. Naturally, the cost will vary depending on a number of factors, namely, the orientation of your roof, the roof capacity (how many panels you can install), the output of your 3kW solar panel system, and the solar panel installation costs.

Depending on the different solar panel types and their efficiency rates, the price range will vary slightly. The more efficient the solar panels are -- i.e. the more electricity they can produce within the same area (e.g. 1 m<sup>2</sup>)-- the more long-term savings there will be.

In the UK, a 3kW solar panel system typically costs £4,500 - £5,500. Depending on your preferences and the characteristics of your home, you may want to choose a high-tech version that pushes the prices towards £6,000 but offers additional solar panel advantages. More about these advantages can be found in our "solar energy advantages and disadvantages" guide.

The financial benefits of purchasing a 3kW solar panel system is an aspect which should be taken into consideration when prospecting the market. The energy produced by the panels can not only heat your home and power appliances but can also be sold. The bigger the size of the installed system, the more energy can be produced and sold.

The Feed-in Tariff (FiT), a popular solar panel grant, is a rate agreed when you first buy solar panels for your home, that is paid to you for each kWh you generate. If excess energy is produced and sold back to the national grid, a separate rate is received. The amount received depends on when the tariff is taken out and how much energy has been generated with the domestic 3kW solar system.

With the Smart Export Guarantee (SEG), you can earn money with your 3kW solar system for feeding surplus electricity back to the grid, making your solar investment even more attractive.

According to the new scheme, licensed solar panel suppliers with more than 150,000 domestic customers are obligated to provide a tariff to their customers that export electricity back to the grid.



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A 3kW PV system will produce around 2,500 kWh of electricity per year. The solar panel system will consist of 20 x 150-watt panels (low efficiency), 15 x 200-watt solar panels (average efficiency), or 12 x 250-watt solar panels (latest technology).

This means that you will save at least R440 per year on electricity bills with 3kW solar panels. In the long, at least 25-year lifetime of a solar panel, you are likely to profit at least R11,000 in addition to breaking even on your investment. Due to the sufficient energy produced per year, the 3kW and 4kW solar panel systems are the most used in the UK households.

On average, the roof area required for a 3kW solar panel system is around 12m - 17m<sup>2</sup>. With a typical solar panel being 1m x 1.7m, a 3-kilowatt system of 6-8 solar panels would take up that much roof space, depending mainly on the wattage per panel and how the system is tilted.

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