

Best solar panels uk 2024

25-year performance warranty4.25%-0.24%Project Solar Evo Max Super Series22.2%480W20.9222Lifetime  
product warrantyLifetime performance warrantyN/A-0.30%LONGi Hi-MO X6 Max  
Scientist23.3%475W21.623325-year product warranty

30-year performance warranty4.60%-0.29%Suntech Ultra V Pro Mini23.2%515W21.923215-year product  
warranty30-year performance warranty4.60%-0.29%Perlight PLM-435 DH8N23.0%450W20.523030-year  
product warranty

30-year performance warranty4.60%-0.30%JA Solar JAM72S30 LR22.1%585W20.922112-year product  
warranty25-year performance warranty6.95%-0.35%Our Best Solar Panels MethodologyBelow is how we  
score our best solar panels:

Monocrystalline solar panels are the most efficient, followed by polycrystalline panels, and then thin-film panels. However, this does mean that typically monocrystalline panels are more expensive than the other options.

In the UK, there is normally a distinction between solar panel manufacturers and installers. That's what makes Project Solar an interesting anomaly - it is the only company to appear on both of our best solar panels and best solar panel installers lists.

Solar panels harness energy from the sun, converting it to free renewable electricity. In the past, it took as many as 14 years for homeowners to break even on the best solar panels. The good news is that systems installed in 2024 could pay for themselves in less than 10 years. And if you add a solar battery to your setup, you could recoup your investment even faster.

To save on energy bills and limit their reliance on fossil fuels, more and more homeowners in the UK are switching to solar power: in 2023, there were 229,618 solar panel installations across the nation, compared to just 172,020 in 2022[1].

If you can afford to add solar panels to your property, it is worth the investment in the long run. As well as lowering your carbon footprint, you'll benefit from significantly reduced energy bills.

Just ask Independent readers. According to a recent survey we conducted\*, more than three quarters (77.20 per cent) of readers are happy with how much they've saved with their solar panels, and 77.66 per cent are satisfied with how much they spent to install them.

For a three-bedroom house with a 4.5kW system, the average time for solar panels to pay back in Great Britain



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is 10.8 years. That's if you also install a solar battery, and take advantage of the Smart Export Guarantee (SEG). The exact length of time will depend on the initial cost, the size of the system and your home's location.

We recommend that the average three-bedroom household in the UK installs a 12-panel, 4.5kW system, as well as a large solar battery, to cover most of its energy consumption. However, the exact number of panels you need will depend on your energy usage, the solar energy storage you install, and the power and efficiency of the solar panels you choose. If you want to be fully energy independent, you will need more panels and a solar battery big enough to store the excess energy you generate.

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