

Solar Energy South Africa

How to choose the right photovoltaic panel



Overview

How to choose your solar panels in 3 steps
Determine solar panel efficiency and compare it to the industry average of 16-18%
Check solar panel manufacturer warranties against an industry average of 10-25 years.
Compare the cost to relative efficiency - efficiency is important, but the most efficient panels aren't always the best value.
How do I choose a solar panel system?

Expert tips on how to choose, buy and install the best type of solar panel system
Understand the difference between solar water heating and solar photovoltaics
Watch our solar PV installation video to see what's involved when buying
In this guide (8 articles) How much do solar panels cost?

Solar panel battery storage
Buying advice for solar panels.

Which solar panels are best for your home?

SunPower, REC, Panasonic, Maxeon, and Jinko Solar offer the best solar panels. The type of solar panel, power output, efficiency, performance in warm climates, warranty, and price are the key factors to assess when comparing solar panels. The best solar panel for your home can depend on your roof space, shading, and climate.

How do I choose a solar panel for my roof?

Decide on how much of your electricity bills you want to cover with your solar panel usage — this can be anything from 10-100%. Your decision will affect the system size and costs. Calculate how many solar panels fit your roof. An average solar panel takes about 1.44 m² of roof space. Don't forget to include at least 30 cm from the roof's edge.

How do I know if my solar panels are efficient?

Take a look over your past electricity bills and usage patterns to get a gauge of this. However, for expert guidance, contact a solar panel specialist in your area. Different types of solar panels will have different levels of efficiency. This means how much sunlight the panels convert into usable energy.

What should I look for when buying solar panels?

When you purchase solar panels, there are some key things to look for, including: Check the solar panels you choose have MCS (Microgeneration Certification Scheme) certification. This ensures they meet specific quality and performance criteria.

Why should you choose a solar panel system?

Sunlight is free, so once you've paid for the initial installation, your electricity costs will be reduced. Solar electricity is low carbon, renewable energy. A typical home solar panel system could save around one tonne of carbon per year, depending on where you live in the UK.

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Choosing The Best Solar Panels In 2024 , Checktrade

Solar panels offer several benefits, so it's no surprise how popular they are. But choosing the best solar panels for your property can feel daunting. Here, we outline everything you need to know to help you confidently make the right ...

[Solar Panels Buying Advice](#)

Solar panel system sizes are normally expressed in kilowatt peaks (kWp), which is the maximum output of the system. Household solar panel systems are typically up to 4kWp. We spoke to more than 2,000 solar panel owners about ...



How to pick the right Inverter: Guide from Naked Solar

Future Proof: If you have a panel failure it can be difficult to source a suitable replacement as panel technology moves on. Not with SolarEdge, you can mix and match panels giving you freedom to choose. Great Monitoring: Check our live ...

How To Find the Best Solar Panels for Your Home in ...

Best solar panels for efficiency. Another important solar panel feature is efficiency rating, or how much sunlight a panel converts into

electricity.. The most efficient solar cell of any kind has an efficiency of 39.5%, but is designed for space ...



How to find the Best Solar Panel for Your Roof

Next, look up your area's average peak sun hours. A simple online search can provide you with this information. Then, figure out the rated power of your PV panels. Most residential rooftop solar panels will have a ...

Choose the Right Solar Panels UK , 12 Year ...

A solar panel's efficiency rating indicates how effectively it converts solar energy into electricity. The panels' efficiency is shown as a percentage, and the higher the percentage, the better they are. When it comes to choosing the right ...



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