Solar converter price

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As solar energy becomes an increasingly popular source of electricity, many UK homeowners are deciding to install solar photovoltaic (PV) panels. But like any other technology, solar PV systems require maintenance and sometimes replacement of their components. One of the most critical components of a solar PV system is the inverter.

If your solar PV inverter is no longer working efficiently, you may need to replace it. In this article, we"ll take a closer look at the cost of replacing a solar PV inverter in the UK and the best manufacturers.

At GreenMatch, we have a network of qualified installers across the UK. We can provide you with up to 3 free quotes from installers in your area which you can objectively compare to each other. Click the button below to get your free quotes and choose the best deal now.

Solar PV inverter replacement costs vary considerably from one inverter to the other. Generally speaking, the cost of replacing a solar power inverter can range anywhere from ?500 to a couple thousand pounds, depending on the solar PV inverter your solar panels currently run on and the type you choose to go with.

This is because solar PV inverter replacement costs depend upon a range of factors, including the potential power output of an inverter, its conversion efficiency, and the type of solar panel inverter it is. For instance, solar PV inverter replacement costs tend to be higher for micro inverters than for string inverters (also often referred to as central inverters).

If you are unsure what type of solar power inverter you currently have, get in touch with your original installer to get more information about your solar PV system, or simply take a look at your contractual agreement.

Without getting too technical, a solar power inverter is a large component within a solar panel system that converts the direct current (DC) produced by your solar panels into ready-to-use alternating current (AC) to power your home.

Most inverters typically have a conversion efficiency between 93% and 96%. However, there are certain newer models that have efficiency ratings in the range of 97% and 99%. Seeing as these inverters are more effective at converting energy, the solar PV inverter costs of these inverters are significantly higher compared to less efficient ones in the market.

Second only to the costs of solar panels themselves, solar PV inverter replacement costs make up one of the biggest expenses in any given solar panel system and typically fall into two types: string inverters and micro inverters. For more general information on solar panels, you can check out our Ultimate Guide to Solar Panels.

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While general solar power inverter repairs and replacements do not have to be done by the original installer, it is recommended to double-check your initial agreement in order to see if contracting another installer might affect your warranty.

The reason behind why the solar PV inverter replacement cost is cheaper when it comes to string inverters, is that this inverter type takes its energy input from a chain of solar panels referred to as a "string". The performance of this so-called "string" is governed by the performance of the weakest panel in it.

So, if there is even one shaded panel on a string of 14 panels that receives a less-than-ideal amount of solar energy, then all the other accompanying panels would suffer the same equivalent loss in output, which in turn would bring down the collective performance of the entire string.

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