



# Solar panels for industrial units

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Industrial buildings offer straightforward roof spaces which are ideal for solar panels. Businesses can significantly reduce their overheads by generating their own electricity from solar energy. Mypower excels at installing high yielding quality industrial solar panels which have won awards for their design and efficiency.

We serve a wide range of businesses, including Stewart Golf, a leading manufacturer of golf trolleys. Over 50% of their annual electricity needs are met by their solar PV system, at a rate of nearly 70% less than they were paying from the grid.

Leeways Packaging Services, a family owned company that offers thermoformed packaging solutions, consumes around 2.4 million units of electricity per annum. They are now meeting nearly 20% of that requirement, with their own clean energy source producing electricity at 70% less than they were paying for a unit of electricity from the grid.

Traditional electricity purchased from the grid is now priced at around 20-25p per unit. When we install your solar panels, we use independent software to accurately predict the amount of energy they will produce over 25 years. Solar PV now delivers solar energy at the cost of around 5p per unit, including estimated operating and maintenance costs. This is around 75% less than grid supplied energy. What's more, this is a fixed price, which means your business will never be exposed to energy price hikes again, meaning your financial forecasting will be much simpler.

In 2015, Walsh Mushrooms, a leading supplier of mushrooms to UK supermarkets, commissioned Mypower to install a 426.81kW system. Below, you can see the solar production figures and savings if the same system was installed in 2021.

With cold stores" constant energy needs - 24 hours a day, 7 days a week and 365 days a year - along with typically increased demand in the summer months, they go hand-in-hand with solar PV. Take a look at some of our customers who have cold stores...

Not only can industrial solar panels cut costs significantly but they can substantially reduce the carbon footprint of your business. Coveya Ltd, a leading conveyor manufacturer, had a 250kW solar PV system installed by Mypower. Their solar panels will help them avoid 75 tonnes of CO<sub>2</sub> annually, which will significantly reduce the company's carbon footprint and help lessen their effect on the climate crisis. In addition to environmental gains, Coveya will save more than £880,000 on electricity costs over the next 25 years.

Good quality industrial solar panels offer the best value for money. Most are warranted for at least 25 years and, in 25 years' time, they will still be producing over 85% of the electricity they produce today. The actual lifetime of solar panels is estimated to be much longer, at around 40 years. Their uncomplicated design means



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that little maintenance is required and very little can go wrong with them. To keep your solar panels generating output at their maximum, they should be cleaned annually.

Industrial solar PV system costs are driven by a number of factors such as roof type, accessibility and electrical infrastructure. A detailed survey is usually required for an accurate costing. A typical industrial system pricing can range from around £750/kWp to approximately £1,000/kWp, or £75,000 to £100,000 for the installation of a 100kWp/250 panel system. The cost of a solar PV system is typically recovered within the first 4-6 years of operation, sometimes less depending on the price of the grid supplied electricity it is replacing.

Yes, solar panels in the UK are typically cost-effective, particularly for large industrial solar PV systems. Alongside the financial benefits of having solar panels, they also significantly reduce a company's carbon footprint and help lessen their effect on climate change.

Industrial solar panels are typically around 1.8m by 1.1m in size. In some situations, such as utility scale installations, it makes sense to use slightly larger panels that are around 2.3m by 1.1m in size.

Depending on the electricity demands of the site and availability of suitable roof space, industrial solar PV systems can provide a significant volume of low-cost clean energy to a business. For example, a 500kWp (approx. 1,200 panels) system in the UK will typically generate over 400,000kWh of electricity per annum. This electricity is produced at an equivalent cost that is typically over 80% lower per unit (kWh) than buying from the grid.

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