



POWERSVAULT CUSTOMER STORY

THIS POWERSVAULT CUSTOMER DOUBLED HIS ELECTRICITY USAGE AND CUT HIS ENERGY BILL BY 60%

Background

Mark and his family aimed to reduce their carbon footprint and energy costs in their 6-bedroom, Grade II-listed home. With high energy bills—£3,000 on electricity and £5,000 on oil—their home's oil-fueled heating system and poor insulation posed significant challenges.

What they did

To tackle these problems, they made several key upgrades, including: installing 7kW solar photovoltaic (PV) and 2.4kW solar thermal panels; adding two 8kWh Powersvault units for energy storage; switching to the Octopus Agile tariff; upgrading their home insulation and converting their Aga to electric.

Powersvault's SMARTSTOR™ energy management software allowed them to maximize their solar energy use and buy electricity at the lowest prices.

The Results

Despite increasing their annual electricity consumption by 117%, the family cut their overall energy bills by 60%. Their electricity costs dropped from £3,000 to £1,200 per year, and oil costs decreased to £2,000.

Efficient energy storage and management allowed them to store and use solar energy effectively, significantly reducing their reliance on grid power and maximizing savings.



POWERSVAULT CUSTOMER STORY

THIS POWERSVAULT CUSTOMER SAVED 40% ON THEIR BILL, WITHOUT SOLAR PANELS

Background

Despite not being able to install solar panels on his roof, Jeff was interested in installing a battery to store cheap off-peak energy using a time-of-use tariff, that he could then use at peak times.

How Powersvault helped

Based on Jeff's energy usage, Powersvault's solution was a 6kWh PV Compact unit. Alongside this, Jeff switched to the Octopus Agile tariff, which has pricing that changes every half hour.

The Results

Using Powersvault's SMARTSTOR™ AI optimisation software, Jeff has reduced his annual electricity bill by 40% compared to what it would have been on a standard variable rate. There are even times when he gets paid by Octopus to use electricity!

“ Since installing our Powersvault we have consistently average below 12p/kWh for our electricity. We have an electric range cooker and are saving hundreds of pounds a year. The Portal and SMARTSTOR™ technology are fantastic. Thankyou Powersvault! ”



POWERSVAULT CUSTOMER STORY

THIS LONG-TERM CUSTOMER UPGRADED THEIR POWERSVAULT TO BECOME GRID-INDEPENDENT IN THE SUMMER

Background

Andy and Liz live in a 3-bedroomed south-facing detached house, with a 4kW solar array and a 16kW air source heat pump. They had previously had a 4kWh Powersvault battery installed, but were keen to increase their capacity to maximise their solar usage and to take advantage of time-of-use tariffs.

How Powersvault helped

Based on the family's energy usage, Powersvault recommended upgrading to a 12kWh P4 unit, which was installed in February 2024.

The Results

Since increasing their battery capacity, Andy and Liz have dramatically reduced their grid consumption. During the summer months, they were almost entirely grid-independent, and are looking forward to maximising their savings during the winter months when they will store off-peak energy from their Economy 7 tariff overnight, to then use during the day.

“We are very happy with our Powersvault P4 and with the excellent service we have received from the team who installed and monitor it.”



POWERSVAULT CUSTOMER STORY

THIS POWERSVAULT CUSTOMER SAVED £2,000 ON HIS ELECTRICITY BILL

Background

This customer has high energy consumption in his home, and was keen to get an electric car. He fitted a 4kW solar array and wanted to maximise his solar usage and reduce his electricity bill.

How Powersvault helped

Despite having high energy consumption, the customer was keen to start small, so decided to go with a 4kWh P3 battery. He switched to the Octopus Go tariff and turned on Powersvault's SMARTSTOR™ optimisation software to set his battery schedule.

The Results

The customer's annual electricity bill dropped to £1,000, even though his electricity usage had increased due to buying an EV. This was a huge saving of £2,000 vs. what he would have paid on his previous tariff without solar and storage. In the summer months he paid very little over the standing charge.

“ I love being able to see exactly what is happening to my battery, and solar.... but regret I didn't go for a slightly bigger unit! ”