

HARDWICKE FARM CASE STUDY



✔ Client	✔ Sector	✔ Technology	✔ System Size
Hardwicke Farm	Agriculture – Livestock	Solar PV + Battery Energy Storage System	30.6 kWp
✔ Estimated Annual Output	✔ Payback Period	✔ 20 Year Net Profit	✔ Annual Carbon Saving

Hardwicke Farm, a family-run cattle operation, partnered with [Excel Energy](#) to install a 30.6 kWp solar PV and battery energy storage system to reduce energy costs, improve resilience and cut carbon emissions. Excel Energy delivered the full turnkey solution including high-quality PV modules, battery storage and associated system components, all backed by long-term warranties.

The system is estimated to generate 31,195 kWh of clean electricity annually, lowering reliance on grid power and stabilising operating expenses. With a payback period of 6 years, 9 months, the installation delivers a 20-year net profit of £69,608.22. It also provides annual carbon savings of 9,288 kg of CO₂, supporting the farm's sustainability goals.

This solar and battery solution enables Hardwicke Farm to increase on-site energy independence, reduce operational costs and demonstrate environmental leadership in the agricultural sector.

[Learn More](#)

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