SolarTech Solutions

Quote Ref: Q-20251202-130221
Date: 02 December 2025

Customer Quotation

Customer: Mr & Mrs Smith
Address: 123 Solar Street, Sunnyville, SN1 2AB

System Specification

Solar Panel Capacity:	4.0 kWp
Battery Storage:	5.0 kWh
Location:	South England
Roof Orientation:	Ideal (South)
Expected Annual Generation:	4,555 kWh
Capacity Factor:	13.0%

Your Energy Profile

Heating Type:	Gas/Oil boiler
Base Electricity Usage:	3,500 kWh/year
Total Household Consumption:	3,500 kWh/year
EV Daily Mileage:	30 miles
EV Charging (Home):	2,628 kWh/year
Total Demand (incl. EV):	6,128 kWh/year

Investment

Solar PV System:	£6,000
Battery Storage:	£4,000
Total System Cost:	**£10,000**

Payment Option

Payment Method:	Upfront Purchase
Amount Due:	£10,000

Projected Savings

Year 1 Savings:	£1,129
Year 1 Export Income:	£169
Payback Period:	8 years
NPV (25 years @ 3.0%):	£26,940
Cumulative Benefit (Year 10):	£3,025
Cumulative Benefit (Year 15):	£10,924
Cumulative Benefit (Year 25):	£30,272

EV Charging Benefits

EV Charging from Solar/Battery:	483 kWh (18%)
EV Charging from Grid:	2,145 kWh
Annual EV Fuel Saving:	£135

Assumptions & Notes

This quotation is based on the following assumptions:
- Electricity price: 28p/kWh with 3.0% annual increase
- Export tariff (SEG): 15p/kWh
- Daytime usage: 40% of consumption during daylight hours
- Analysis period: 25 years

Actual savings will depend on your usage patterns, weather conditions, and future energy prices. This quotation is valid for 30 days from the date shown above.