

65.6 kWp Returns over 25 years

Irradiance Co-eff

821

| Year | kWh/year | FIT Rate | Electric Tariff | Annual Savings | FIT Payments | Annual Return | Total Return | Cost | ROI |
|------|----------|----------|-----------------|----------------|--------------|---------------|----------------------|-----------------|--------|
| 2018 | 53858 | 1.82 | 0.11 | £2,962 | £980 | £3,942 | £3,942 | £64,000 | 6.16% |
| 2019 | 53669 | 1.87 | 0.11 | £3,079 | £1,000 | £4,079 | £8,021 | £64,000 | 6.37% |
| 2020 | 53481 | 1.93 | 0.12 | £3,201 | £1,019 | £4,220 | £12,241 | £64,000 | 6.59% |
| 2021 | 53294 | 1.99 | 0.12 | £3,327 | £1,039 | £4,367 | £16,608 | £64,000 | 6.82% |
| 2022 | 53108 | 2.05 | 0.12 | £3,459 | £1,060 | £4,518 | £21,126 | £64,000 | 7.06% |
| 2023 | 52922 | 2.11 | 0.13 | £3,595 | £1,081 | £4,676 | £25,802 | £64,000 | 7.31% |
| 2024 | 52736 | 2.17 | 0.13 | £3,737 | £1,102 | £4,839 | £30,641 | £64,000 | 7.56% |
| 2025 | 52552 | 2.24 | 0.14 | £3,885 | £1,124 | £5,009 | £35,650 | £64,000 | 7.83% |
| 2026 | 52368 | 2.31 | 0.14 | £4,038 | £1,146 | £5,184 | £40,834 | £64,000 | 8.10% |
| 2027 | 52185 | 2.37 | 0.14 | £4,198 | £1,168 | £5,366 | £46,200 | £64,000 | 8.38% |
| 2028 | 52002 | 2.45 | 0.15 | £4,364 | £1,191 | £5,555 | £51,755 | £64,000 | 8.68% |
| 2029 | 51820 | 2.52 | 0.15 | £4,536 | £1,215 | £5,751 | £57,506 | £64,000 | 8.99% |
| 2030 | 51639 | 2.59 | 0.16 | £4,715 | £1,239 | £5,954 | £63,460 | £64,000 | 9.30% |
| 2031 | 51458 | 2.67 | 0.16 | £4,901 | £1,263 | £6,165 | £69,625 | £64,000 | 9.63% |
| 2032 | 51278 | 2.75 | 0.17 | £5,095 | £1,288 | £6,383 | £76,008 | £64,000 | 9.97% |
| 2033 | 51098 | 2.84 | 0.17 | £5,296 | £1,313 | £6,610 | £82,618 | £64,000 | 10.33% |
| 2034 | 50919 | 2.92 | 0.18 | £5,506 | £1,339 | £6,845 | £89,462 | £64,000 | 10.70% |
| 2035 | 50741 | 3.01 | 0.18 | £5,723 | £1,366 | £7,089 | £96,551 | £64,000 | 11.08% |
| 2036 | 50564 | 3.10 | 0.19 | £5,949 | £1,393 | £7,342 | £103,893 | £64,000 | 11.47% |
| 2037 | 50387 | 3.19 | 0.19 | £6,184 | £1,420 | £7,604 | £111,497 | £64,000 | 11.88% |
| 2038 | 50210 | 0.00 | 0.00 | £6,428 | £0 | £6,428 | £117,925 | £64,000 | 10.04% |
| 2039 | 50035 | 0.00 | 0.00 | £6,682 | £0 | £6,682 | £124,608 | £64,000 | 10.44% |
| 2040 | 49859 | 0.00 | 0.00 | £6,946 | £0 | £6,946 | £131,554 | £64,000 | 10.85% |
| 2041 | 49685 | 0.00 | 0.00 | £7,221 | £0 | £7,221 | £138,774 | £64,000 | 11.28% |
| 2042 | 49511 | 0.00 | 0.00 | £7,506 | £0 | £7,506 | £146,280 | £64,000 | 11.73% |
| | | | | | | | Total Returns | £146,280 | |

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| Option | System Size | System Cost (Exc VAT) | Annual Output (kWh) | Annual Savings & Tariff Income (for 20 years) | Lifetime Benefits (net of system cost) | Payback Time | Rate of Return over 20 years (%) |
|-----------|-------------|-----------------------|---------------------|---|--|--------------|----------------------------------|
| 270w Poly | 65.6 | £64,000 | 51655 | £146,280 | £82,280 | 12 Years | 9.14% |

