

# How are the savings calculated?

Solar and battery savings are calculated by comparing estimates of your energy costs and what you'd spend if you didn't have a solar system and were on the cheapest flat rate tariff available (purple).

## Additional Savings with Optimisation

If you utilise optimisation, additional savings calculated by comparing estimates of your energy costs and what they would be if your home battery operated in a balanced mode.

This is a solar and usage tracking mode, which you may see being called as "self-sufficiency mode". When you see "balance mode", this is where the battery charges up if the home is using more PV energy than it's using, and discharges if it's using more than it's producing. This means the home doesn't import or export anything from the grid.

Optimisation takes advantage of your tariff, usage, generation and weather to take the best possible actions to maximise savings.

## Total Savings

The total savings you see are the combined amounts from both your inverter and battery savings, and optimisation, if this is switched on, providing a holistic view of your cost reductions.

If you'd like some more help, please email us at [hello@smug.energy](mailto:hello@smug.energy)

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