

METHODOLOGY

Lumo calculations

Calculations dated June 2026

How much could you save and earn with Lumo?

Solar panels and a battery are a great start, but without smart control, a surprising amount of their value goes to waste. At Lumo, we're a team of energy experts on a mission to change that.

Tariff savings

Our savings estimates are grounded in real simulation work, not guesswork. Here's what we did:

- Took half-hourly consumption data from 400 smart meters across London over 12 months
- Modelled three scenarios for each home: no solar, solar with a 10kWh battery on load-matching, and the same system running with Lumo optimisation
- Analysed the cost difference between each scenario to isolate the value Lumo adds

The results are clear: Lumo's optimisation delivers a meaningful uplift over a standard load-matching setup.

- Our methodology has been independently reviewed by EPVS for a typical home, which showed up to 30% improvement in savings when Lumo is applied
- We're currently working with EPVS to expand that analysis across more scenarios and system sizes
- Figures are simulation-based estimates and are not guaranteed
- Your results will vary depending on your tariff, household consumption, system size, and time of year
- We'll keep refining our numbers as our dataset and independent review work grows

Flexibility earnings

On top of bill savings, homeowners with battery storage can earn money by making their battery available to the grid. This market is growing fast, and Lumo is built to take full advantage of it on your behalf.

Current flexibility opportunities include:

- Wholesale markets, trading stored energy at times of high grid demand
- Capacity market, getting paid to hold reserve energy for the grid
- Demand Flexibility Service (DFS), National Grid's scheme paying households to shift usage at peak times
- Other grid services, an expanding range of programmes as the energy system evolves
- Grid Reward Rates are subject to change as the market develops
- Eligibility criteria vary by scheme and grid operator