

Do You Need a Solar Battery? Benefits for New Build Homes

Daytime generation, evening demand.

HUGO RADFORD / 2 JULY 2025



With the Future Homes Standard essentially making rooftop solar mandatory for all new homes from March 2027, the natural next question is: should they come with a battery, too?

While solar panels generate clean electricity, battery storage unlocks their full potential – boosting homeowners’ savings and energy independence from the traditional grid.

In this guide we explain the benefits of solar battery storage, how it compares with solar-only systems, and why batteries are becoming an essential part of future-ready housing.

Do New Build Homes Need Battery Storage As Well?

While rooftop solar panels generate clean electricity, solar battery storage unlocks their full potential.

A home battery system stores unused solar energy during the day and releases it when needed – typically in the evening, when demand and energy prices peak. Without a battery, any excess power generated from your solar panels is exported back to the grid, often at much lower rates than what you pay to import it. The value of using your own stored energy far outweighs any savings from selling it – boosting your overall return on investment.

It's no surprise that demand is growing rapidly. Today, around 43% of UK homes with solar panels also include battery storage, reflecting strong and growing demand for smarter energy use at home.

Yet despite this shift, very few new-build homes currently include a battery system as standard. For developers, this presents an opportunity to differentiate and futureproof their offerings.

Solar Battery vs Solar Only for New Homes

To understand the impact of battery storage, it helps to compare solar-only systems with solar and battery storage in a typical UK home.

Below is an example based on a 4kW rooftop solar system in a well-insulated new build property.

SCENARIO	ANNUAL SAVINGS	HOME ENERGY NEEDS MET BY ONSITE SOLAR	ENERGY INDEPENDENCE
Without Battery	£200–£400	~20–30%	Low – most of your energy still comes from the grid, subject to price rises
With Battery	£700–£1000	~70–85%	Medium–High – most of your energy is self-generated, limiting exposure to market price rises

With a battery, your home becomes dramatically more efficient, relying significantly less on the grid and making better use of every kilowatt-hour you generate.

As energy prices in the UK continue to fluctuate, battery storage has another critical advantage: flexibility. Homeowners can time when they draw power, using stored solar energy when prices are high and even charging batteries from the grid during cheap overnight rates.

A Lower Carbon Footprint, Built In

Solar panels are an important step toward low-carbon housing. But combining solar generation with battery storage is what allows homes to truly maximise their renewable energy potential.

With Gryd's solar subscription model, homeowners receive an amply-sized solar system, battery storage, insurance, and maintenance in one simple package.

Gryd's intelligent battery systems are designed to learn a home's energy usage and optimise it automatically, helping homes reduce bills even further while staying green. And with our subscription model, the benefits of battery storage come without the upfront costs or future expenses of inverter or battery replacements.

There is no large upfront investment and no long payback period – just a smarter way to power new homes.

Read this online

<https://gryd.energy/hub-directions/g/articles/do-you-need-a-solar-battery.html>

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