

## Domestic Solar Power Coventry

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### Why Coventry Homeowners Are Switching to Domestic Solar Power

You know that feeling when your energy bill arrives? Coventry residents saw a 22% spike in electricity costs last winter - the steepest increase in West Midlands. But here's the kicker: over 1,300 homes in CV postcodes have already slashed their bills using home solar systems.

What's driving this shift? The math works shockingly well. A typical 4kW system in Coventry generates about 3,800kWh annually - enough to power a 3-bed semi while feeding surplus energy back to the grid. With battery storage prices dropping 40% since 2020, the "solar + storage" combo's becoming the new normal.

### The Battery Breakthrough You Might've Missed

Modern lithium iron phosphate (LFP) batteries - the kind used in Coventry's latest installations - last 50% longer than older models. They're sort of like the reliable family car that never breaks down. Take Mrs. Patel's retrofit in Earlsdon: her 10kWh battery stores enough solar energy to brew 1,000 cups of tea during peak rate hours.

### West Midlands Solar Snapshot

Average installation cost: ?6,200 (before grants)

Typical payback period: 8-10 years

CO2 reduction per household: 1.2 tonnes/year

### What Coventry's Solar Boom Reveals

New data from Coventry City Council shows solar adoptions grew 30% year-on-year. Wait, no - actually, that's just the residential sector. When you factor in commercial installations, the total capacity's doubled since 2021.

The real story's in the details. Take this Victorian terrace near FarGo Village: its south-facing roof produces

18% more energy than identical homes facing north. Orientation matters almost as much as panel quality here.

## "But What About Cloudy Days?" Debunked

Let's picture a typical Coventry morning - grey skies, light drizzle. Modern bifacial panels still generate 25-30% of their max output. They're like those all-weather jackets that work in rain or shine. During last month's heatwave, some systems actually overperformed by 15%!

## Your Solar Journey Starts Here

First step? Get a proper shading analysis. That oak tree in your garden could be stealing 40% of your potential solar gain. Most Coventry installers now use drone mapping - it's kind of like getting an X-ray of your roof's potential.

## 3 Must-Ask Questions

What's your degradation warranty? (Aim for  $\leq 0.5\%$  annual loss)

Can the system expand if I add an EV charger later?

How do you handle hail protection? (We get 4-6 hail days/year)

## Q&A: Coventry Solar Essentials

Q: Do I need planning permission?

A: Generally not for rooftop systems, but conservation areas have special rules.

Q: What maintenance is required?

A: Just occasional cleaning - pigeons love solar panels as much as cathedral ledges!

Q: How does Brexit affect equipment costs?

A: Most quality panels now come from Turkey or Poland, avoiding EU tariff issues.

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