# All in One 3.6 13.5kWh GivEnergy

All in One 3.6 13.5kWh GivEnergy

Table of Contents



## The Energy Crisis Rebooted

Ever opened your electricity bill and felt like you'd been ratio'd by your own meter? You're not alone. UK households saw energy prices jump 54% in 2022, while Germany's industrial sector paid 60% more than pre-pandemic levels. But here's the kicker: What if your home could fight back?

Enter the All in One 3.6 13.5kWh GivEnergy system - a modular powerhouse that's sort of like having an energy Swiss Army knife in your garage. Unlike clunky legacy systems, this hybrid inverter-battery combo tackles solar storage, grid arbitrage, and backup power through a single sleek unit.

## Swiss Army Knife of Power

The magic lies in its 3.6kW hybrid inverter - the brain coordinating solar panels, battery storage, and grid power. During peak tariff hours (usually 4-7 PM when everyone's microwaving dinners), the system automatically switches to stored solar energy. Imagine slicing ?200+ off annual bills without lifting a finger.

But wait, there's more. The 13.5kWh lithium iron phosphate (LiFePO4) battery isn't just about capacity. Its modular design lets you stack units like LEGO bricks. Start with one module, expand to three - suddenly you've got 40.5kWh for that home brewery you've been adulting toward.

## Britain's Battery Breakthrough

GivEnergy's UK roots show in its Brexit-proof design. While European competitors struggled with supply chain chaos, this Cheshire-based company saw installations jump 30% last quarter. One Manchester homeowner reported cutting grid dependence by 81% using just the base All in One 3.6 configuration.

The secret sauce? Built-in dynamic load balancing. When your oven, gaming PC, and EV charger all demand juice simultaneously, the system prioritizes essentials without tripping breakers. No more "who unplugged the fridge?" family arguments.

## Installation Insights

Here's where it gets real. Traditional battery systems require separate components:

- Inverter (usually wall-mounted)
- Battery stack (floor space hog)
- Monitoring hub (another app to forget)

The GivEnergy solution collapses this into a single 600mm x 600mm footprint. Installers report 50% faster deployment compared to Tesla Powerwall setups. But is bigger always better? Let's crunch numbers:

For a typical 3-bed UK home:

- Daily usage: 8-12kWh
- Solar generation: 4kWh (winter) to 15kWh (summer)
- 13.5kWh battery covers 1.5 days of autonomy

Beyond the kWh Numbers

Now, let's address the elephant in the room: Why aren't all homes using this? Well, upfront costs still sting - ?6,000+ before solar panels. But here's the plot twist: energy firms like Octopus Energy offer paid grid services. Your battery earns cash by stabilizing the national grid during demand spikes. One Bristol user made ?342 last year just by lending storage capacity.

The system's DC-coupled architecture (nerd alert!) minimizes conversion losses compared to AC batteries. Translation: More stored sunshine actually reaches your TV. And with 10-year warranties becoming standard, even risk-averse Brits are biting.

Q&A

Q: Can the All in One 3.6 handle off-grid living?

A: While designed for grid-tied homes, it provides backup power during outages. For full off-grid, you'd need additional components.

Q: How does UK weather affect performance?

A: The system thrives in Britain's cloudy climate, storing incremental solar gains. One Yorkshire installation logged 89% winter efficiency.

Q: What's the maintenance reality?

A: Basically set-and-forget. The app notifies if firmware updates or professional checks are needed - usually every 3-5 years.

Web: https://mavhone.co.za

# All in One 3.6 13.5kWh GivEnergy