



OFF-GRID ENERGY INDEPENDENCE

Domestic solar PV installation
Co. Fermanagh

Energy independence was a high priority for Dawn, who needed a reliable electricity supply to power medical equipment and charging for her electric wheelchair. Living in rural Co. Fermanagh, our team visited Dawn for a site survey and consultation, where we established that solar PV panels would deliver the power needed, with a battery backup and an eddi hot water diverter.

Equipment:

- 16no. 360W panels
- 3.68kW SOFAR inverter
- Eddi hot water diverter
- 5kWh battery

Specific Considerations:

With limited mobility, accessibility of the system was a key priority for Dawn. To ensure ease of use, all components were installed at a lower level. Dawn was provided with a full aftercare service and product demonstration, ensuring she was confident in changing from grid to battery power supply.

Results:

- 10 consecutive days off-grid
- Selling 300+ units to the grid per quarter
- Quarterly energy bill less than £1

Dawn said:

"I'm pretty much off grid now. It's a revelation! It's easy to flick over to my battery supply during outages and I always have hot water. Selling back to the grid means I'm gaining money too.

"It's a brilliant system between house usage, hot water and selling to the grid. I can plan electric usage around the sunny days."