



# Did you know about...

## Solar Plus Batteries

A renewable technology that stores excess solar energy



### Introduction

Solar Panels transform the sun's energy into power for immediate use in your homes. Solar Plus batteries enable you to store that power for those times when the sun isn't shining. This means more flexibility, less reliance on the National Grid, and more cost saving.

*“Our calculations show that after the battery has been installed, the house will be very close to being able to meet even its winter energy demand, for all occupant uses, including plug loads, cooking and lighting.”*

Source: bere:architects, Passivhaus – Interim Monitoring Report

### Energy for when the sun doesn't shine

- Battery systems store energy for later use
- No more export tariffs at low £ per unit
- Reduce the amount you buy from your energy supplier
- Short-term backup power in the event of a power outage
- 5-10 year payback period



### Why Choose Darke & Taylor?

- **Legislation** – solar batteries must be installed and commissioned by a registered electrical company with the correct accreditations.
- **Experience & Training** – our employees are accredited across a wide range of solar battery design, specification, installation and commissioning.
- **Latest technology** – we are a Certified Installer of Tesla Powerwall battery systems.

*“Our engineers will undertake a Feasibility Study based on forecast costs and payback periods prior to recommending a model based on your energy usage profile.”*

# Why – Solar Plus Batteries

A solution to future-proof for business owners and homeowners alike:

## Challenges

- 1 Energy Export Limits** – DNOs can impose energy export constraints, limiting the power you can export to the Grid.
- 2 You want the power, but not when the sun shines** – Solar Panels generate most electricity at times of the day when energy use tends to be at its lowest.
- 3 Systems need to ‘talk’ to one another** – as we fit more renewable systems, inter-connectivity becomes an increasingly important issue.

## Solutions

- 1 Batteries are limitless** – batteries allow you to store any excess energy and increase your independence from the Grid.
- 2 Hold on to your energy** – Solar Plus batteries store energy for use at a later time, such as the evening when heating and lighting are more likely to be used.
- 3 Integrated Solutions** – D&T specialises in a wide range of renewable systems; our solar and data engineers work together to ensure systems are complimentary; e.g. TESLA battery + EV charging.

## Glossary

**EV:** a vehicle which uses one or more electric motors for propulsion

**DNO:** a company licensed to distribute electricity from the Grid to homes and businesses

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