



SOLAR
PV



INTRODUCTION

Solar PV (solar photovoltaic), is one of the most effective ways for Clubs to generate clean, renewable electricity on-site. By installing solar panels on rooftops or available land, Clubs can reduce their reliance on grid electricity, lower energy costs and take a visible step towards sustainability as part of the Together Greener Programme.

This resource provides a simple introduction to solar PV, helping Clubs:

- Understand whether solar PV is a suitable option.
- What to consider before installing .
- What steps to take next.

It is designed to support Clubs at an early stage of exploring solar, whether you are a grassroots Club or managing larger facilities.

Why Solar PV Matters for Together Greener

Solar PV supports several Together Greener priorities:

- Reducing energy use and carbon emissions.
- Improving long term financial sustainability.
- Demonstrating environmental leadership within your community.
- Supporting your Club's Green Goals and action plans.
- It is a strong example of how Clubs can take meaningful action that delivers both environmental and financial benefits over time.





WHAT IS SOLAR PV?

Solar PV panels convert daylight into electricity that can be used to power your clubhouse, changing rooms, lighting and other equipment.

Even on cloudy days, panels can still generate electricity, although output is higher during brighter conditions.

Installing solar PV can:

- Reduce electricity bills.
- Lower your Club's carbon footprint.
- Increase energy independence.
- Demonstrate leadership in sustainability.



IS SOLAR PV FOR YOU?

Solar PV can be a great investment, but its effectiveness depends on your Club's specific circumstances.

Two key factors to consider are:

1. Your energy usage patterns.

Solar panels generate electricity during daylight hours. Clubs that use energy during the day, for example for training, offices, gyms or community use, will benefit most.

If your Club mainly operates in the evenings:

- Battery storage can store daytime energy for later use.
- Energy can be diverted to heat water during the day.
- System design can be adapted to suit your needs.

2. Your building or site suitability.

The best conditions for solar PV include:

- South, south east or south west facing roofs.
- Minimal shading from trees or nearby buildings.
- Roofs in good condition.
- Sufficient space for installation.

Where roof space is not suitable, ground-mounted systems may be an option for Clubs with available land.





KEY CONSIDERATIONS

Before progressing with solar PV, Clubs should:

Understand your energy use.

Review energy bills and consider when your Club uses electricity the most.

Assess your building or site.

Check roof condition, orientation and shading.

Explore funding opportunities.

Look into grants, community funding or facility development schemes.

Check planning and grid requirements.

Most installations do not require planning permission, but always confirm locally.

Seek expert advice.

Speak to qualified installers or energy consultants to assess feasibility.

Choose a reputable installer.

Ensure proper certification, insurance and experience.





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GETTING STARTED

Clubs interested in solar PV should:

1. Gather energy data, including bills and usage patterns.
2. Consider how solar could align with your Club's Green Goals.
3. Seek independent advice or technical support.
4. Explore funding and budget options.
5. Get quotes from qualified installers.
6. Plan installation alongside other energy improvements where possible.





SOLAR PV CHECKLIST

Use this as a simple starting point: This is not an exhaustive list, but a helpful guide to support early decision-making.

CHECKLIST QUESTION	YES/NO	COMMENTS
We understand our annual energy use.	Yes ☐ No ☐	
We know when we use most of our electricity.	Yes ☐ No ☐	
Our roof or site is suitable for solar PV.	Yes ☐ No ☐	
We have explored funding options.	Yes ☐ No ☐	
We have sought expert advice.	Yes ☐ No ☐	
We have identified potential installers.	Yes ☐ No ☐	
We understand planning and grid requirements.	Yes ☐ No ☐	



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FURTHER SUPPORT

Solar PV is a powerful opportunity for Clubs to take a significant step forward in their sustainability journey. While it requires planning and investment, it can deliver long-term benefits for your Club, your community and the environment.

As part of Together Greener, solar PV is not just about generating energy; it is about taking proactive action, embedding sustainability into your Club's future and leading by example.

Further information on energy can be found at www.faw.cymru/TogetherGreener-energy

If you require support, please contact sustainability@faw.cymru