



**SolarTech**  
Homes

Sustainable, Affordable, and Efficient Solar  
Solutions for Your Home



**10+**

Years of operations

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**2000+**

Projects worldwide

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**100%**

Satisfaction Rate

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**1000+**

Homes and families helped

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Welcome to SolarTech! We are committed to providing sustainable, cost-effective energy solutions to homeowners. Our goal is to help you harness the power of the sun to brighten your future and reduce your energy costs.

**Own your home?**

Why not own your energy?

# Company Overview

## Overview of Solar Energy

Solar energy is a clean, renewable source of power that converts sunlight into electricity. It's an efficient and environmentally friendly way to meet your energy needs while reducing your reliance on traditional power sources.

## Mission

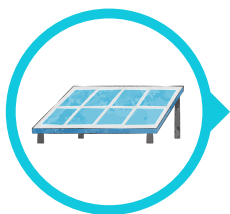
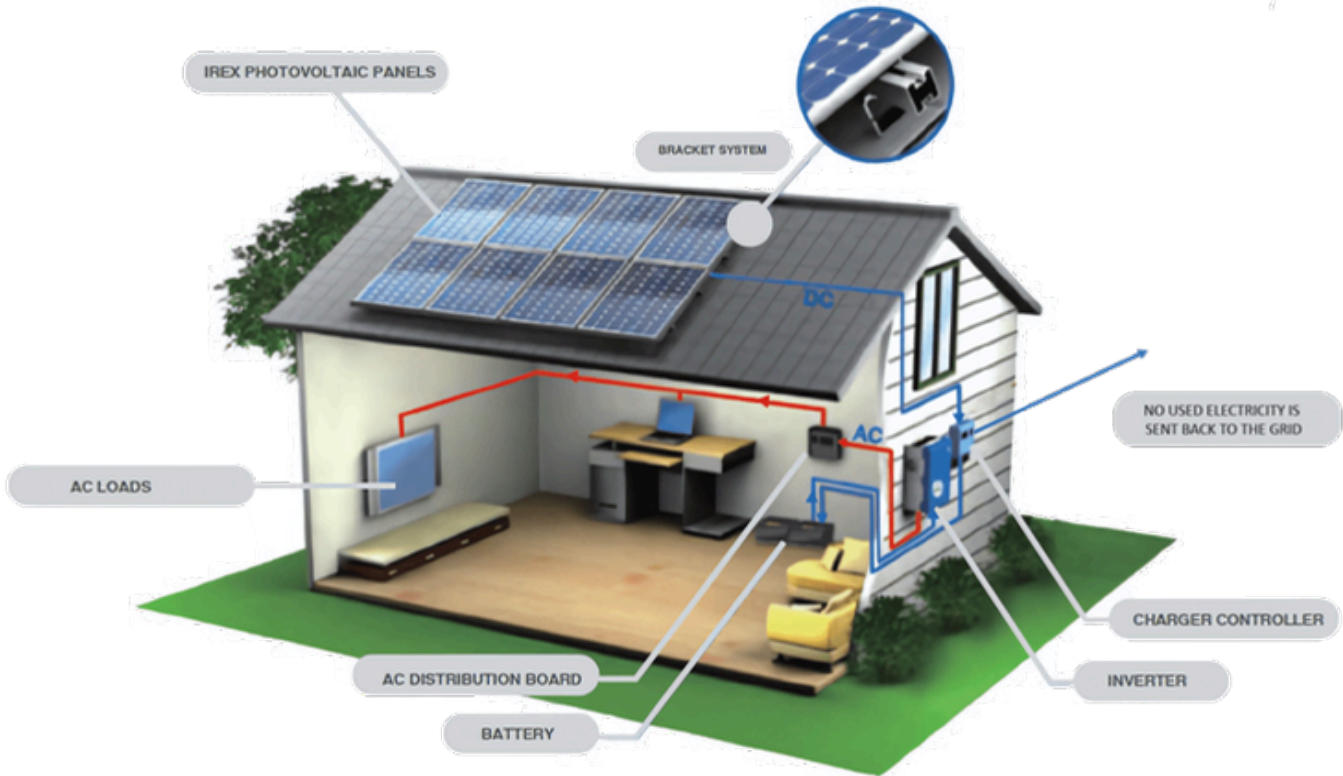
At SolarTech we strive to deliver top-notch solar solutions that promote energy independence and environmental responsibility. We believe in the power of renewable energy to transform lives and protect our planet.

## Vision

We envision a world where renewable energy is accessible to everyone, driving global efforts to combat climate change and reduce dependency on fossil fuels. Our goal is to become a global leader in solar energy solutions, setting new standards for sustainability, efficiency, and customer service.



# How Solar Works



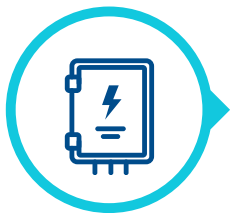
## Solar Panels

Solar panels absorb sunlight and convert it into DC electricity.

## Inverter



The inverter converts DC electricity into alternating current (AC) electricity.



## Electrical Panel

AC electricity is used to power your home.

## Utility Meter



Any excess electricity can be stored in a battery or sent back to the grid.

# Why Choose Solar?

## Cost Savings

Solar panels significantly reduce your electricity bills by allowing you to generate your own power. Over time, the savings can be substantial, often paying for the initial investment in just a few years.



## Energy Independence

With solar energy, you can generate your own power and reduce your dependence on the grid. This means protection against rising energy costs and increased energy security.



## Increase in Property Value

Homes with solar panels often see an increase in property value. Potential buyers recognise the benefits of lower utility bills and the positive environmental impact, making solar homes more attractive.



## Consultation

We offer do **remote and home energy audit** to assess your energy needs and determine the best solar solution for your home. Our experts will provide a personalised solar plan tailored to your requirements.

## Design and Installation

Our team designs custom solar panel systems to fit your home perfectly. We handle the entire installation process, ensuring everything is set up for optimal performance and efficiency.

## Maintenance and Support

We provide ongoing maintenance services to keep your solar system running smoothly. Our customer support team is always available to answer any questions and address any concerns.

# Financial Benefits



## Cost Analysis



With solar panels, **you can save up to 80%** or more on your electricity bills. Over 20 years, this could mean savings of tens of thousands.

## Financing Options



We offer flexible financing plans, including **0% interest loans**, making solar energy accessible to everyone.

## Return on Investment (ROI)



The ROI for solar panels is typically between **10-20%**. With government incentives, the payback period can be as short as **5-7 years**.

## Environmental Impact

### Carbon Footprint Reduction

By switching to solar, you can significantly reduce your carbon footprint.

### Sustainable Future

By choosing solar, you're contributing to a cleaner, more sustainable future for generations to come.

### Local and Global Impact

Installing solar panels helps reduce the demand for fossil fuels, decreasing air pollution and promoting healthier communities locally and globally.

## Utility Bill Comparison

### Before Solar Installation:

Average monthly bill = £200

### After Solar Installation:

Average monthly bill = £50

Annual Savings: £1,800

# Fast Installation Process



## 1 Consultation

Schedule a free home energy audit.

## 2 Design

Receive a custom solar system design.

## 3 Permitting

We handle all necessary permits.



## 4 Installation

Professional installation of your solar panels.

## 6 Activation

Turn on your new solar power system and start saving.

## 5 Inspection

Final inspection to ensure everything is working perfectly.

# No upfront costs and up to 25 Years finance options, with SolarTech.

At SolarTech, we are committed to making solar energy accessible and affordable for every homeowner. We understand that investing in solar power is a significant decision, and we want to make it as easy as possible for you to enjoy the long-term savings and benefits of solar energy. That's why we are proud to offer exclusive finance options from **1 year up to 25 years** monthly payments for our residential solar installations.



## Why Choose Our Finance Option?



Spread the cost of your solar system over an extended period, allowing you to enjoy the benefits of solar energy while keeping monthly payments manageable.



With solar energy, you'll see immediate reductions in your electricity bills, and with our long-term finance option, you can match your payment schedule to your savings.



Whether you're looking for short-term or long-term solutions, we provide tailored financing options to suit your budget, lifestyle, and energy needs. Choose the term that works best for you, with options available for **up to 25 years**.



You can get started with your solar installation with **no upfront costs**, letting you immediately begin enjoying the benefits of clean, renewable energy without financial stress.

# Potential Savings

Number of Solar Panels Installed	6	8	10	12	14	16
<b>Without a Solar Battery</b>						
kWp	2.64	3.52	4.40	5.28	6.16	7.04
Annual Bill Saving (£)	270	360	450	540	630	720
SEG Payment (£)	340	450	560	670	780	890
Total Savings (£)	610	810	1,010	1,210	1,410	1,610
Estimated Installation Cost (£)	5,500	6,500	7,500	8,000	8,500	8,900
Payback Period (Years)	5.7	5.6	5.4	5.4	5.3	5.3
CO2 Savings (kg/year)	1,100	1,470	1,830	2,200	2,560	2,930
<b>With a 5.76 kWh Solar Battery</b>						
Annual Bill Saving (£)	520	610	700	790	880	970
SEG Payment (£)	120	240	360	480	600	720
Total Savings (£)	640	850	1,060	1,270	1,480	1,690
Estimated Installation Cost (£)	6,000	7,000	8,000	9,000	10,000	11,000
Payback Period (Years)	9.4	8.2	7.5	7.1	6.8	6.5
CO2 Savings (kg/year)	1,100	1,470	1,830	2,200	2,560	2,930

# Our solar modules

At SolarTech, we are committed to delivering the highest quality solar solutions to our customers. We use only premium, top-tier equipment to ensure maximum efficiency and durability. Our installations are carried out by fully accredited, highly experienced engineers who are dedicated to providing exceptional service and ensuring optimal performance of your solar system.

## Trina Solar Panels

- Efficiency: Industry-leading efficiency with advanced technology.
- Durability: Built to withstand harsh weather conditions.
- Performance: Reliable energy production with excellent low-light performance.

**Trina**solar



## LONGi Solar Panels

- Innovation: Pioneers in monocrystalline cell technology.
- Longevity: Robust panels with a long lifespan and high energy yield.
- Sustainability: Committed to sustainable manufacturing practices.

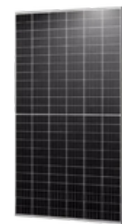
**LONGi**



## Jinko Solar Panels

- Value: High-quality panels at competitive prices.
- Efficiency: Excellent conversion efficiency for maximum output.
- Reliability: Proven track record with extensive testing and certification.

**JinKO** Solar



## Aiko Solar Panels

- Advanced Technology: Leading-edge solar cell technology for superior performance.
- Energy Output: High power output with minimal degradation over time.
- Quality: Rigorous quality control ensures consistent performance.

**AIKO** 



# Our inverters

At SolarTech, we offer a range of high-efficiency inverters from the most trusted brands in the industry. Each inverter is designed to maximise the performance and reliability of your solar system, ensuring you get the most out of your investment.

## Fox ESS inverters

- Efficiency: High conversion efficiency for maximum energy yield.
- Smart Technology: Integrated monitoring for real-time performance tracking.
- Reliability: Robust design with long-lasting components.
- Warranty: 10-year standard warranty for peace of mind.



## Growatt inverters

- Performance: High efficiency with low maintenance requirements.
- Versatility: Compatible with a wide range of solar panels and batteries.
- Innovation: Cutting-edge technology with advanced safety features.
- Warranty: 10-year warranty ensuring long-term reliability.



## SolaX inverters

- Efficiency: Superior conversion efficiency for optimal energy output.
- Flexibility: Hybrid inverters supporting both solar and battery storage.
- Technology: Advanced grid management and smart monitoring capabilities.
- Durability: Designed for longevity with excellent warranty coverage.



# Our batteries

At SolarTech, we offer a range of high-capacity batteries from the most trusted brands in the industry. Each battery is designed to maximise energy storage and ensure your solar system operates at peak efficiency, providing you with reliable, sustainable power whenever you need it.

## Fox ESS batteries

- Capacity: High storage capacity to meet varying energy needs.
- Efficiency: Advanced energy management for optimal performance.
- Reliability: Built to last with robust components.
- Warranty: 10-year warranty ensuring long-term peace of mind.



## SolaX batteries

- Performance: High charge/discharge efficiency.
- Versatility: Compatible with a wide range of solar inverters.
- Innovation: Advanced battery technology with smart monitoring.
- Durability: Designed for long-term use with excellent warranty coverage.



## Growatt batteries

- Capacity: High-capacity batteries for extensive energy storage.
- Flexibility: Suitable for both residential and commercial applications.
- Technology: State-of-the-art battery management systems.
- Warranty: Comprehensive 10-year warranty for reliability.





# The Installation Process



## 1 Consultation

Schedule a free home energy audit.

## 3 Permitting

We handle all necessary permits.

## 5 Inspection

Final inspection to ensure everything is working perfectly.

## 2 Design

Receive a custom solar system design.

## 4 Installation

Professional installation of your solar panels.

## 6 Activation

Turn on your new solar power system and start saving.



# Customer Testimonials

## The Smith Family

- **Challenge:** High energy bills and frequent power outages.
- **Solution:** Custom solar panel system with battery storage.
- **Result:** 70% reduction in energy bills and backup power during outages.



**John and Mary S.**

Real Stories

“We couldn’t be happier with our solar panels from SolarTech. Our energy bills have dropped dramatically, and we love knowing we’re doing our part for the environment.”

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## The Johnsons

- **Challenge:** Rising electricity costs and a desire to be more environmentally friendly.
- **Solution:** Installation of a high-efficiency solar panel system.
- **Result:** Significant savings on utility bills and a substantial reduction in their carbon footprint.



**Sandra J.**

Real Stories

“John and Gary went above and beyond to ensure we understood every step of the process. Our new solar system not only saves us money but also makes us feel great about reducing our carbon footprint.”

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## The Garcias


- **Challenge:** High energy consumption due to home office and electric vehicle charging.
- **Solution:** Comprehensive solar energy solution with additional panels for EV charging.
- **Result:** Drastic reduction in energy bills and the ability to charge their electric vehicle at home sustainably.



**Emma G.**

Real Stories

“I highly recommend SolarTech to anyone considering solar energy. Their knowledgeable staff answered all our questions, and the installation was quick and hassle-free. We’re thrilled with the results!”



# FAQs

## **Is My Home Suitable for Solar Panels?**

- South-West, and South-East facing roofs are ideal for maximum power generation.
- Optimal roof pitch is between 30 to 35 degrees.
- Consideration of roof space; average system occupies 20msq.

## **Installation Timeframe:**

- Despite high demand, we ensure speedy installation.
- Panels typically installed within 7 to 14 days post-contract signing.
- Potential delay if DNO (District Network Operator) application is required.

## **What is a DNO Application?**

- Necessary for large-scale systems (>16A per phase) to assess grid capacity.

## **Planning Permission:**

- Generally, not required unless in listed buildings or conservation areas.
- Exception for flat roofs due to panel angle; may need permission.

## **Excess Electricity Handling:**

- Battery storage recommended for excess energy.
- Option for net metering to sell surplus energy back to utility company.

## **Installation Duration:**

- Typical installation takes 1-2 days post-scaffold setup.

## **Panel Maintenance:**

- Regular rain often sufficient for cleaning.
- Annual cleaning recommended for optimal performance.
- Consider manufacturer's warranty before cleaning yourself.

## **Post-Installation Support:**

- Customer service provides post-installation pack with warranties and documents.
- Available to address any queries regarding the solar system.

## **Effects of Shade:**

- Shade from trees, buildings, or cables significantly impacts system performance.
- Panels should be positioned to minimise shading effects.

# Our Partners



# Our Accreditations









**SolarTech Homes**  
Your Energy Partner



## Contact Us



**Website**

[www.solartechuk.com](http://www.solartechuk.com)



**Phone**

+44 29 2168 1395



**E-mail**

[enquiries@solartechuk.com](mailto:enquiries@solartechuk.com)



**Social Media**

@solartechuk



**HQ address**

Capital Quarter, Tyndall Street Cardiff,  
CF10 4BZ