

Bookham Old Barn Hall



Funded by
UK Government

AT A GLANCE

Project Specifications

- **Location:** Bookham Old Barn Hall
- **Property:** Historic Community Building
- **Project type:** Solar PV installation with battery storage

Technology



Technologies installed:

- 20 AIKO-A450-MAH54Mb (30mm) solar panels (9.0kWp system)
- 10kW inverter power SolarEdge Home Hub Inverter – Single Phase
- 2 x SolarEdge Home Battery – 9.2kWh of battery storage

Keith Slark, Chairman, Bookham Community Association:

"Bookham Old Barn Hall is a cherished community space, and we're delighted to be embracing renewable energy. Given the challenges of working within a listed setting, Raven Renewables guided us through the planning process expertly, helping us secure permission and a design that works within our constraints. Their commitment to finding the right solution, despite the challenges, has been invaluable. This installation will provide long-term benefits for our hall and the many local groups that rely on it."

BACKGROUND

Bookham Old Barn Hall, a historic community building, sought to enhance its sustainability by integrating renewable energy solutions. The objective was to reduce operational costs and minimise the carbon footprint while preserving the building's architectural integrity.

The hall required an energy-efficient solution that would maintain the character of the site while providing reliable, renewable energy for community events and daily operations. This project aligns with a broader commitment to reduce environmental impact while improving energy resilience.

THE INSTALLATION

Raven Renewables designed and installed a 9.0kWp solar PV system tailored to the specific requirements of Bookham Old Barn Hall. To ensure minimal visual impact on the historic building, advanced solar technology was combined with discreet design elements.

The system includes 20 AIKO 450W panels, a SolarEdge Home Hub Inverter (10kW), and two 48V SolarEdge Home Batteries providing 9.2kWh of storage. This integrated solution allows the hall to generate, store, and efficiently manage its own renewable energy, reducing grid dependence and improving energy security.

BENEFITS

1

32% Energy from Solar

2

7,078 kWh Generated Annually

3

2 Tons of CO₂ Avoided Each Year

